



VOLUME 2

RESEARCH
PUBLICATIONS

DECENNIAL PUBLICATION ● 2009-19



VOLUME
TWO

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PUBLICATIONS

C U T N D E C E N N I A L P U B L I C A T I O N ● 2009-19

CENTRAL UNIVERSITY OF TAMIL NADU ● ESTABLISHED BY AN ACT OF PARLIAMENT IN 2009 ● THIRUVARUR - TAMIL NADU - INDIA



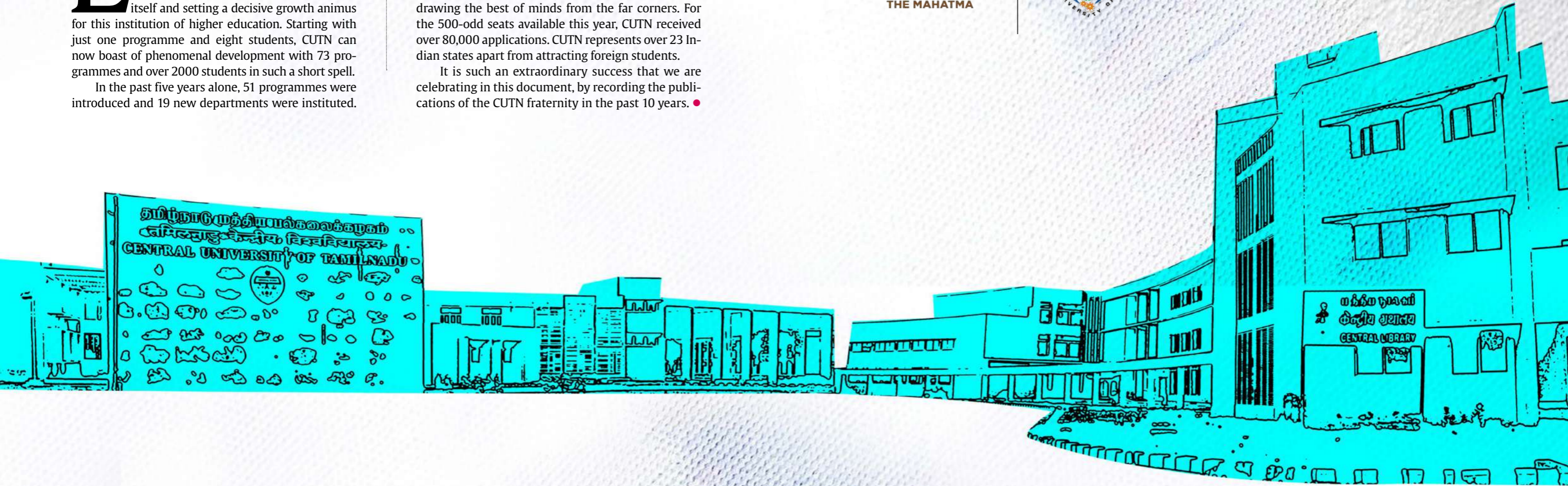
Celebrating CUTN!

Established in 2009, the surge and success of the Central University of Tamil Nadu in Thiruvavur in the crucial first decade of its existence has been both momentous and monumental, charting a success story for itself and setting a decisive growth animus for this institution of higher education. Starting with just one programme and eight students, CUTN can now boast of phenomenal development with 73 programmes and over 2000 students in such a short spell.

In the past five years alone, 51 programmes were introduced and 19 new departments were instituted.

From the introduction of new programmes and curricular innovation to research infrastructure development and faculty capacity building, the university has trained its focus in the right areas, and as a result, it has witnessed a huge rise in popularity across the nation drawing the best of minds from the far corners. For the 500-odd seats available this year, CUTN received over 80,000 applications. CUTN represents over 23 Indian states apart from attracting foreign students.

It is such an extraordinary success that we are celebrating in this document, by recording the publications of the CUTN fraternity in the past 10 years. ●





FOREWORD

Research heritage of a decade

The publication of Decennial Publications 2009-19: Volume II is of historic importance. The research heritage of a decade reverberating through several disciplines ever since the establishment of the Central University of Tamil Nadu has been documented in this monumental research publication.

Francis Bacon, the renowned Philosopher and Statesman has very aptly observed "Reading makes a Full Man; Writing makes an Exact Man". The En-

glish novelist Somerset Maugham once said "We don't write because we want to; we write because we have to". Among the many duties of Higher Education professionals, the duty to write and publish is a binding one. Research is incomplete until it has been published. In fact, we may even go so far as to say that research completed and not published is the same as research not done at all. It is not only essential to pursue a research question with enthusiasm and dedication, but it



is equally important to have the perseverance to publish those research findings. Publishing allows authors to share with the Academic community their original findings and breakthroughs.

The desire to publish also ensures that the authors keep themselves updated with the latest research and practices. This not just helps expand knowledge, but is also today inextricably linked with peer recognition, institutional recognition, career innovation and advancement including promotions. It also ensures that we

leave behind a documented heritage of our findings and accomplishments for generations to come. As a result of the "Publish or Perish" agenda, publishing research will not only allow one to build credibility amongst his fellow colleagues but it will also ensure that the authors keep themselves updated with the latest research and practices. By rising to the occasion, they will also act as good role models to their students, thereby inculcating in them the desire to get involved in quality research which ultimately helps the society at large.

The Heart Throb of any University is Research. Knowledge Generation and Knowledge Dissemination are the touchstones which testify the effectiveness of a University. The Central University of Tamil Nadu has played a noteworthy role in meeting the knowledge needs and research needs at the national level over a period of ten years of time. This new University, within a short time since its inception, could publish papers in reputed and high impact journals like Nature and Lancet Infectious Diseases.

The research publications of CUTN have achieved the H-index of 29 with a total impact factor of 596.

Perhaps the ten year old and yet modern of the Centre of Learning in the Southern part of our country, the Central University of Tamilnadu is now looking back with pride, the path it has traversed over a decade. We feel proud of our achievements. But we fully realise that the tasks to be carried out are many, we have no time to rest on our past glories and we should strive harder to render better service to the society. I have no doubt that the Faculty of CUTN will continue to keep up the glorious tradition of guiding as well as accomplishing the research goals of the University.

I wish and hope that this preeminent Institution will continue to grow on sound and modern lines in the years to come with major breakthrough achieved in frontier areas. I would like to record my appreciation for the Efforts and Pains taken by the Decennial Publication Committee led by Prof. R. Karpaga Kumaravel in preparing the second volume of this historic Decennial publication. ■

Prof. A. P. Dash

Vice-Chancellor, Central University of Tamil Nadu.



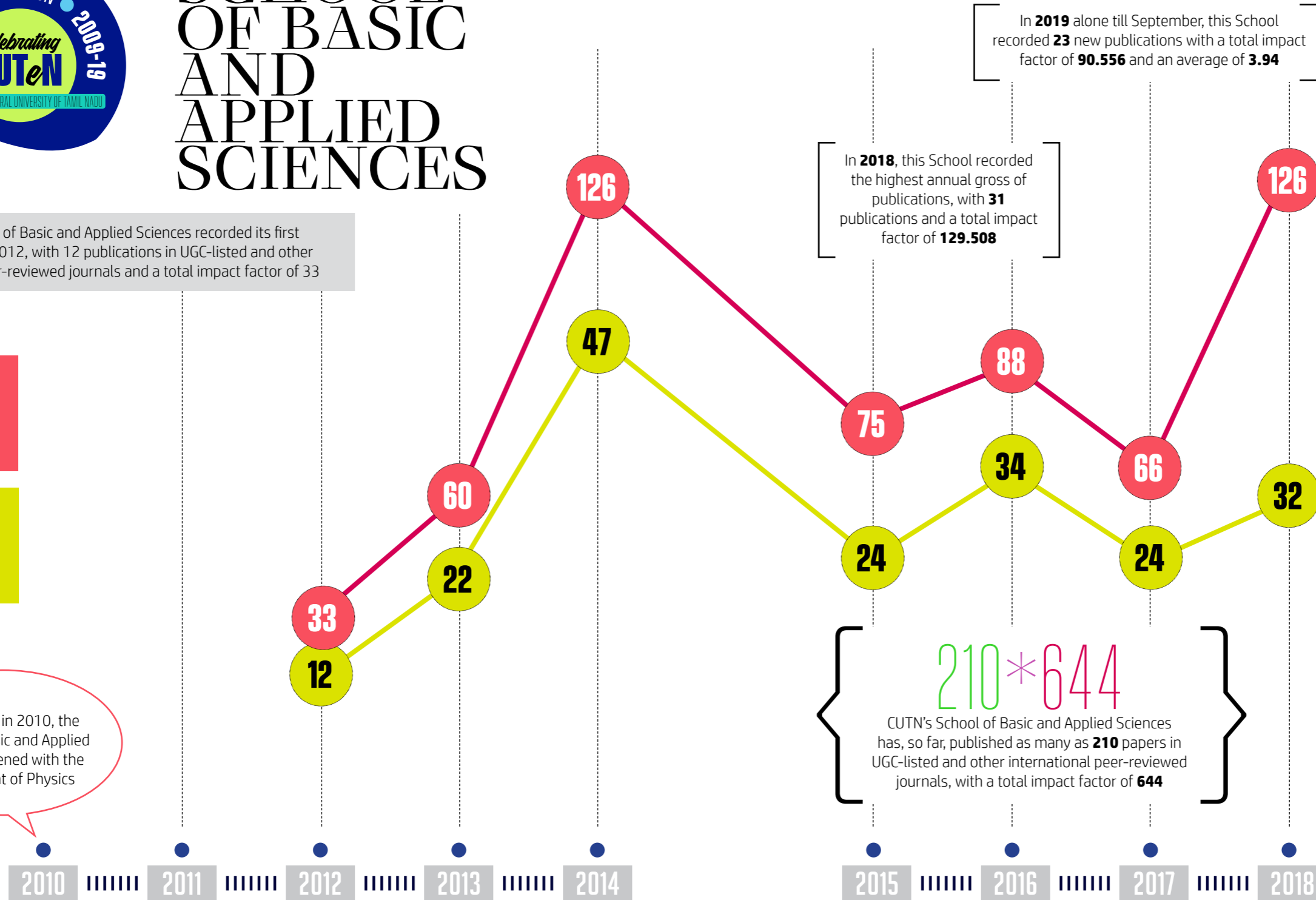
SCHOOL OF BASIC AND APPLIED SCIENCES

CUTN's School of Basic and Applied Sciences recorded its first publications in 2012, with 12 publications in UGC-listed and other international peer-reviewed journals and a total impact factor of 33

TOTAL IMPACT FACTOR

TOTAL PUBLICATIONS

Established in 2010, the School of Basic and Applied Sciences opened with the Department of Physics

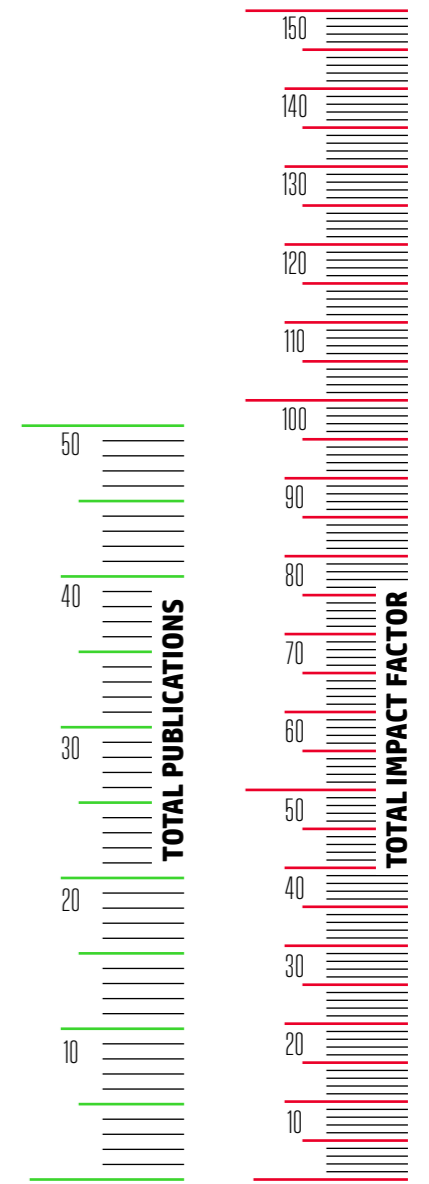


In **2019** alone till September, this School recorded **23** new publications with a total impact factor of **90.556** and an average of **3.94**

In **2018**, this School recorded the highest annual gross of publications, with **31** publications and a total impact factor of **129.508**

$$210 * 644$$

CUTN's School of Basic and Applied Sciences has, so far, published as many as **210** papers in UGC-listed and other international peer-reviewed journals, with a total impact factor of **644**



AVERAGE IMPACT FACTOR

2.74 | 2.75 | 2.69 | 3.11 | 2.60 | 2.75 | 3.94



DEPARTMENT OF CHEMISTRY

2019

- Devibala, P., Dheepika, R., Vadivelu, P., & Nagarajan, S. (2019). Synthesis of Aroylbenzoate-Based Push-Pull Molecules for OFET Applications. *ChemistrySelect* 4 (8): 2339–2346. (IF: 1.716)
- Dheepika, R., Shaji, A., Imran, P.M., & Nagarajan, S. (2019). Improving Device Performance of P-Type Organic Field-Effect Transistor Using Butterfly like Triarylamines. *Org. Electron.* doi.org/10.1016/j.orgel.2019.105568. (IF 3.495)
- Dheepika, R., Imran, P.M., Bhuvanesh, N.S.P., & Nagarajan, S. (2019). Solution-Processable Unsymmetrical Triarylamines: Towards High Mobility and ON/OFF Ratio in Bottom-Gated OFETs. *Chem.: Eur. J.* 25: 15155–15163. (IF 5.160)
- Khurshid, F., Jeyavelan, M., Hussain, T., Hudson, M.S.L., & Nagarajan, S. (2019). Ammonia Gas Adsorption Study on Graphene Oxide Based Sensing Device under Different Humidity Conditions. *Materials Chem. Phys.* doi.org/10.1016/j.matchemphys.2019.122485. (IF 2.781)
- Khurshid, F., Jeyavelan, M., Hudson, M. S. L., & Nagarajan, S. (2019). Ag-Doped ZnO Nanorods Embedded Reduced Graphene Oxide Nanocomposite for Photo-Electrochemical Applications. *Royal Society Open Sci.*, 6(2): 181764. (IF 2.215)
- Muralisankar, M., Dheepika, R., Haribabu, J., Balachandran, C., Aoki, S., Bhuvanesh, N.I.S.P., & Nagarajan, S. (2019). Design, Synthesis, DNA/HSA Binding and Cytotoxic Activity of Half-Sandwich Ru(II)-Arene Complexes Containing Triarylamines-Thiosemicarbazone Hybrids. *ACS Omega*, 4 (7): 11712–11723. (IF 2.584)
- Shao, S., Rajendiran, V., & Lovell, J. F. (2019) Metalloporphyrin Nanoparticles: Coordinating Diverse Theranostic Functions. *Coord. Chem. Rev.* 379: 99–120. (IF: 13.476)
- Sivakumar, D., Thanusu, J., Kanagarajan, V., Nagarajan, S., Manikandan, H., & Gopalakrishnan, M. (2019). One-Pot Synthesis Of 2-Hydroxy-1,4-Naphthoquinone (Lawsone). *Curr. Org. Synth* 16(3) 431-434. (IF 2.517)

2018

- Sivakumar, D., Thanusu, J., Kanagarajan, V., Nagarajan, S., Manikandan, H., Gopalakrishnan, M (2019). One-Pot Synthesis of 2-Hydroxy-1,4-Naphthoquinone (Lawsone), *Curr. Org. Synth.* 16 (3) 431-434. (IF 1.841)
- Sonalin, S. Pandikassala, A., Dheepika, R., Imran, P.K.M., & Nagarajan, S. (2019). Molecular Aggregation Stimulated Tunable Emission Behaviour of Functionalized 1, 8-Naphthalimides, *J. Lumin.* 215: 1166992. (IF 2.961)
- Soundarajan, K., & Mohan Das, T. (2019). Design, Synthesis, Characterization and Gelation Studies of Sugar-Oxadiazole Based N-Glycosylamines. *Trends Carbohydr. Res.* 11(1): 14–21. (IF: 0.12)

2017

- Chitgupi, U., Lovell, J. F., & Rajendiran, V. (2018). Assessing Photosensitizer Targeting Using Meso-Tetra(Carboxyphenyl) Porphyrin. *Molecules.* 23(4): 892. (IF: 3.060)
- Dheepika, R., Sonalin, S., Imran, P. M., & Nagarajan, S. (2018) Unsymmetrical Starburst Triarylamines: Synthesis, Properties, and Characteristics of OFETs. *J. Mater. Chem.* 6(26): 6916–6919. (IF 6.641)
- Khurshid, F., Jeyavelan, M., Sterlin Leo Hudson, M., & Nagarajan, S. (2018). Organic Semiconductor/ Graphene Oxide Composites as a Photo-Anode for Photo-Electrochemical Applications. *RSC Adv.* 8(63): 35959–35965. (IF: 3.049)
- Khurshid, F., Jeyavelan, M., Takahashi, K., Leo Hudson, M. S., & Nagarajan, S. (2018). Aryl Fluoride Functionalized Graphene Oxides for Excellent Room Temperature Ammonia Sensitivity/Selectivity. *RSC Adv.* 8(36): 20440–20449. (IF: 3.049)
- Sonalin, S., Sakthivel, K., & Nagarajan, S. (2018). Functionalization of 1, 8-Naphthalimides- An Approach towards Air-Stable n-Type Organic Semiconductors. *Materials Today: Proceedings.* 5: 16592–16597. (IF 0.694)
- Soundarajan, K., Rajasekar, Mohan Das, T. (2018). Self-Assembly of Sugar Based Glyco-Lipids: Gelation Studies of Partially Protected D-Glucose Derivatives. *Mater. Sci. Eng.* 93: 776–781. (IF: 4.959)
- Yu, M., Benjalal, Y., Chen, C., Kalashnyk, N., Xu, W., Baratin, R., Nagarajan, S., Lægsgaard, E., Stensgaard, I., & Hliwa, M., et al. (2018). Three-Dimensional Hydrogen Bonding between Landers and Planar Molecules Facilitated by Electrostatic Interactions with Ni Adatoms. *Chem. Commun.* 54(64): 8845–8848. (IF: 6.164)

2016

- Abdulrazack, P., Venkatesan, S., Chellasamy, M., & Nagarajan, S. (2017). Optical, Wetting and Electrical Properties of Functionalized Fulleropyrrolidine Thin Films. *Appl. Surf. Sci.* 425: 1125–1129. (IF: 5.155)
- Chakraborty, S., Ramkumar, S. G., & Ramakrishnan, S. (2017).

- Amphiphilic Double-Brush Polymers Based on Itaconate Diesters. *Macromolecules.* 50(13): 5004–5013. (IF: 5.914)
- Soundarajan, K., R. Periyasamy, P. Muthuvel, Mohan Das, T. (2017). Synthesis and Characterization of Novel Class of N₂-/N₃-(β-D-Glucopyranosyl)-2-/3-Aminoquinoline Derivatives and Studies on Their Solvent-Controlled Self-Assembly. *Trends Carbohydr. Res.* 9(1): 44–51. (IF: 0.12)
- Periyasamy, R., Soundarajan, K., & Mohan Das, T. (2017) Simple Perspectives of Sugar Based Gelators. *SMC Bull.* 8(25). (IF: 1.264)
- Mohan Das, T., Shanmugam, M. J., Soundarajan, K. (2017). Design and Synthesis of Photo Physically and Electro Chemically Responsive Perylene- Linked C-Glycosylated Chalcone. *Trends Carbohydr. Res.* 9(4): 7–15. (IF: 0.12)

2016

- Khamrang, T., Kartikeyan, R., Velusamy, M., Rajendiran, V., Dhivya, R., Perumalsamy, B., Akbarsha, & M. A., Palaniandavar, M. (2016). Synthesis, Structures, and DNA and Protein Binding of Ruthenium(II)-p-Cymene Complexes of Substituted Pyridylimidazo[1,5-a]Pyridine: Enhanced Cytotoxicity of Complexes of Ligands Appended with a Carbazole Moiety. *RSC Adv.* 6(115): 114143–114158. (IF: 3.049)
- Rajasekar, & Mohan Das, T. (2016). New Class of Rhodamine Based Beta-C-Glycosides and Their Applications. *Trends in Carbohydr.* 1(8): 1–10. (IF: 0.12)
- Parveen, A., Sughanya, V., & Nagarajan, S. (2016). Quenching of Fluorescence in C₆₀ Fulleropyrrolidines by Chloroform. *Spectrochim. Acta - Part A Mol. Biomol. Spectrosc.* 152, 77–81. (IF: 2.931)
- Sarkar, I., Hemamalini, A., Mohan Das, T., & Mishra, A. K. (2016). Introduction of an α,β-Unsaturated Carbonyl Conjugated Pyrene-Lactose Hybrid as a Fluorescent Molecular Probe for Micro-Scale Anisotropic Media. *RSC Adv.* 6(33): 27933–27943. (IF: 3.049)
- Soundarajan, K., Periyasamy, R., Mohan Das, T. (2016). Design and Synthesis of Sugar-Benzohydrazides: Low Molecular Weight Organogelators. *RSC Adv.* 6(85): 81838–81846. (IF: 3.049)
- Arasasppan, H., Mohan Das, T. (2016). An Easy Access to the Synthesis of Sugar-Based N-Methyl-Pyrrolidine via [3 + 2] Cycloaddition Methodology. *J. Heterocycl. Chem.* 53 (1): 313–318. (IF: 1.241)

2015

- Boobalan, G., Imran, P. K. M., Manoharan, C., & Nagarajan, S. (2015). Optical and Electrical Properties of New Perylene Diimide Thin Films. *J. Electron. Mater.* 44(10): 4000–4005. (IF: 1.676)
- Dhmakaran, M. K., Soundarajan, & Mohan Das, T. (2015). Self-Assembled Fibers and Rods of β-C-Glycosidic Ketones as Templates to Silica Structures. *Trends Carbohydr. Res.* 7(4): 68–78. (IF: 0.12)
- Hemamalini, A., Azhagiya Singam, E. R., Mudedla, S. K., Subramanian, V., & Mohan Das, T. (2015). Design and

- Synthesis of Sugar-Triazole Based Uracil Appended Sugar-Imine Derivatives-an Application in DNA Binding Studies. *New J. Chem.* 39(6): 4575–4582. (IF: 3.069)
- Hemamalini, A., Mudedla, S. K., Subramanian, V., & Mohan Das, T. (2015). Design, Synthesis and Metal Sensing Studies of Ether-Linked Bis-Triazole Derivatives. *New J. Chem.* 39(5): 3777–3784. (IF: 3.069)
- Morawska, P. O., Wang, Y., Ruseckas, A., Orofino-Penia, C., Kanibolotsky, A. L., Ramkumar, SG, Fröhlich, N., Fritsch, M., Allard, S., Scherf, U., Peter J. S, Samuel. D. W., Graham A. T. (2015). Side-Chain Influence on the Mass Density and Refractive Index of Polyfluorenes and Star-Shaped Oligofluorene Truxenes. *J. Phys. Chem.* 119(38): 22102–22107. (IF: 1.000)
- Parveen, A., Sughanya, V., & Nagarajan, S. (2015). Efficient Synthesis of Highly Soluble and Functionalized Fulleropyrrolidines. *RSC Adv.* 5(26): 20351–20356. (IF: 3.049)
- Sarkar, I., Malini, H., Mohan Das, T., & Mishra, A. K. (2015). Synthesis and Evaluation of a Glucose Attached Pyrene, as a Fluorescent Molecular Probe in Sugar and Non-Sugar Based Micro-Heterogeneous Media. *RSC Adv.* 5(79): 64604–64613. (IF: 3.049)

2014

- Bansal, A. K., Antolini, F., Sajjad, M. T., Stroea, L., Mazzaro, R., Ramkumar, S. G., Kass, K. J., Allard, S., Scherf, U., & Samuel, I. D. W. (2014). Photophysical and Structural Characterisation of in Situ Formed Quantum Dots. *Phys. Chem. Chem. Phys.* 16(20): 9556–9564. (IF: 3.567)
- Boobalan, G., Imran, P. M., Ramkumar, S. G., & Nagarajan, S. (2014). Fabrication of Luminescent Perylene Bisimide Nanorods. *J. Lumin.* 146: 387–393. (IF 2.961)
- Celin, T. S., & Nagarajan, S. (2014). Inclusion Complexation of 2-Aminopyrimidines with β-Cyclodextrin, Physico-Chemical and Nuclear Magnetic Spectroscopic Studies. *Mater. Sci. Pol.* 32(1): 39–44. (IF: 0.918)
- Ramachary, D. B., Reddy, P. S., & Shiva Prasad, M. (2014). Neighboring Ortho-Hydroxy Group Directed Catalytic Asymmetric Triple Domino Reactions of Acetaldehyde with (E)-2-(2-Nitrovinyl)Phenols. *European J. Org. Chem.* 15: 3076–3081. (IF: 3.029)
- Dhevalapally, B., Ramachary, M., Shiva Prasad., Laxmi Vijaya, Madhavachary, R. (2014). Asymmetric Synthesis of Drug-like Spiro [Chroman-3, 3'-Indolin]-2'-Ones through Aminal-Catalysis. *Org. Biomol. Chem.* 12(4): 574–580. (IF: 3.49)
- Dhinakaran, M. K., Soundarajan, K., & Mohan Das, T. (2014). Self-Assembly of Novel Benzimidazole N-Glycosylamines into Nanofibers and Nanospheres. *New J. Chem.* 38(7): 2874–2883. (IF: 3.069)
- Dhinakaran, M. K., Soundarajan, K., & Mohan Das, T. (2014). Synthesis of Novel Benzimidazole-Carbazole-N-Glycosylamines and Their Self-Assembly into Nanofibers.



New J. Chem.38(9): 4371-4379. (IF: 3.069)

Yang, H., Mayne, A. J., Comtet, G., Dujardin, G., Kuk, Y., Nagarajan, S., & Gourdon, A. (2014). Single-Molecule Light Emission at Room Temperature on a Wide-Band-Gap Semiconductor. *Phys. Rev. B - Condens. Matter Mater. Phys.*90(12): 125427. (IF 3.736)

Hemamalini, A. & Mohan Das, T. (2014). Exploration, Synthesis and Studies of Gel Forming Simple Sugar-Chalcone Derivatives. *RSC Adv.*4(77): 41010-41016. (IF: 3.049)

Hemamalini, A., & Mohan Das, T. Bis-Triazolglycolipid Mimetics - Low Molecular Weight Organogelators. *New J. Chem.* 2014, 38 (7), 3015-3021. (IF: 3.069)

Hemamalini, A., & Mohan Das, T. (2014). Studies on the Synthesis of a Sugar Triazole Based Ligand for Protein and DNA Binding. *RSC Adv.*4 (64): 34189-34198. (IF: 3.049)

Rajasekar, M., & Mohan Das, T. (2014). One-Pot Synthesis of Fluorescein Based β -Aminoglycosylketones and Their Biological and Material Applications. *RSC Adv.*4(80): 42538-42545. (IF: 3.049)

Rajasekar, M., & Mohan Das, T. (2014). Synthesis, Characterization and Gelation Studies of a Novel Class of Rhodamine Based N-Glycosylamines. *RSC Adv.*4(59): 30976-30983. (IF: 3.049)

Rajasekar, M., & Mohan Das, T. (2014). Synthesis and Antioxidant Properties of Novel Fluorescein-Based Quinoline Glycoconjugates. *J. Carbohydr. Chem.*33(3): 137-151. (IF: 0.629)

Senthilraja, A., Krishnakumar, B., Swaminathan, M., & Nagarajan, S. (2014). Self-Assembly, Photophysical and Electrochemical Properties and Activation of the TiO₂ Photocatalyst by Perylene Bisimide. *New J. Chem.*38(4): 1573-1580. (IF: 3.069)

2013

Boobalan, G., Imran, P. K. M., Manoharan, C., & Nagarajan, S. (2013). Fabrication of Highly Fluorescent Perylene Bisimide Nanofibers through Interfacial Self-Assembly. *J. Colloid Interface Sci.*393(1): 377-383. (IF 6.361)

Boobalan, G., Imran, P. K. M., & Nagarajan, S. (2013). Luminescent One-Dimensional Nanostructures of Perylene Bisimides. *Spectrochim. Acta - Part A Mol. Biomol. Spectrosc.*113: 340-345. (IF: 2.931)

Rosarin, F. S., Arulmozhi, V., Nagarajan, S., & Mirunalini, S.

(2013). Antiproliferative Effect of Silver Nanoparticles Synthesized Using Amla on Hep2 Cell Line. *Asian Pac. J. Trop. Med.*6 (1): 1-10. (IF: 1.772)

Hemamalini, A., & Mohan Das, T. (2013). Design and Synthesis of Sugar-Triazole Low Molecular Weight Gels as Mercury Ion Sensor. *New J. Chem.*37(8): 2419-2425. (IF: 3.069)

Liu, K., Zheng, X., Samuel, A. Z., Ramkumar, S. G., Ghosh, S., Tan, X., Wang, D., Shuai, Z., Ramakrishnan, S., & Liu, D., et al. (2013). Stretching Single Polymer Chains of Donor-Acceptor Foldamers: Toward the Quantitative Study on the Extent of Folding. *Langmuir.* 29(47): 14438-14443. (IF: 3.683)

Murugavelu, M., Imran, P. K. M., Sankaran, K. R., & Nagarajan, S. (2013). Self-Assembly and Photophysical Properties of a Minuscule Tailed Perylene Bisimide. *Mater. Sci. Semicond. Process.*16(2): 461-466. (IF: 2.722)

Rajasekar, M., & Mohan Das, T. (2013). Synthesis and Antioxidant Activity of a Novel Class of Fluorescein-Based β -C-Glycosides. *Carbohydr. Res.*379: 38-42. (IF: 2.074)

Senguttuvan, S., Murugavelu, M., & Nagarajan, S. (2013). Reductive Amination of 2,6-Diarylpiperidin-4-Ones. *Synth. Commun.*43(20): 2720-2724. (IF: 1.439)

Shanmugam, M. J., & Mohan Das, T. (2013). A Concise Pathway to Synthesize a Novel Class of Pyrido (2, 3-d) Pyrimidine-C- β -d-Glycosides. *Carbohydr. Res.*368: 40-46. (IF: 2.074)

Varghese, S., Anand, C., Dhawale, D., Mane, G. P., Wahab, M. A., Mano, A., Raj, G. A. G., Nagarajan, S., & Vinu, A. (2013). Highly Selective Synthesis of Ortho-Prenylated Phenols and Chromans by Using a New Bimetallic CuAl-KIT-5 with a 3D-Cage-Type Mesoporous Structure. *ChemCatChem.* 5(4): 899-902. (IF: 4.674)

Yang, H., Mayne, A. J., Comtet, G., Dujardin, G., Kuk, Y., Sonnet, P., Stauffer, L., Nagarajan, S., & Gourdon, A. (2013). STM Imaging, Spectroscopy and Manipulation of a Self-Assembled PTCDI Monolayer on Epitaxial Graphene. *Phys. Chem. Chem. Phys.*15(14): 4939-4946. (IF: 3.567)

Madhurima, V., Priyanka, K. G., Pavan, K. S. N. D., & Nagarajan, S. (2013). Analysis of Wetting of Perylene Diimide Thin Films-on-Glass by Water. *Key Eng. Mater.*594-595, 1074-1077. (IF: 0.45).

DEPARTMENT OF PHYSICS

2019

Ashwin Kishore, M. R., Sjästad, A. O., & Ravindran, P. (2019). Influence of hydrogen and halogen adsorption on the photocatalytic water splitting activity of C₂N monolayer: A first-principles study. *Carbon*, 141: 50-58 (IF: 7.466)

Ponmurugan, M. (2019). Attainability of maximum work and the reversible efficiency of minimally nonlinear irreversible heat engines. *Journal of Non-Equilibrium Thermodynamics*, 44(2), 143-153 (IF: 2.083)

Zhao Pan, Jun Chen, Runze Yu, LokanathPatra, Ravindran P, Andrea Sanson, RuggeroMilazzo, Alberto Carnera, Lei Hu, Lu Wang et al., (2019). Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO₃ Based Perovskites, *Chem. Mater* 31, 1296-1303 (IF: 10.159)

Kiruthika, S., Fjellvåg, H., & Ravindran, P. (2019). Amphoteric behavior of hydrogen (H⁺ and H⁻) in complex hydrides from van der Waals interaction including ab initio calculations, *J. Mater. Chem. A* 7, 6228-6240 (IF: 10.733)

Varunaa, R., Fjellvåg, H., & Ravindran, P. (2019). Zinc substituted MgH₂-a potential material for hydrogen storage applications, *Int. J. Hydrogen Energy* 44, 13632-13646 (IF:4.299)

Crispin, H. B., & Arun, R. (2019). "Fluorescence control through vacuum induced coherences", *J. Phys. B: At. Mol. Opt Phys.* 52, 075402 (IF: 2.119)

ChitraLekha, C. S., Ajith S. Kumara, Vivek, S., Venkata Saravanan, K., Anantharaman, M.R., Surendran, K.P., Nandakumare K., & Swapna S. Naira (2019). "Room temperature magnetoelectric properties of lead-free alkaline niobate based, Ceramics International, In Press.

Jaya Krishnan, A. R., Alex, K. V., Thomas, A., Silva, J. P. B., Dabra, N., Sekhar, K. C., Moreria, J. A., & Gomes, M. J. M. (2019). Composition dependent xBa(Zr_{0.2}Ti_{0.8})O₃-(1-x)(Ba_{0.7}Ca_{0.3})TiO₃ bulk ceramics for high energy storage applications, *Ceramics International*, 45, 5808-5818 (IF:3.450)

Alex, K. V., Jayakrishnan, A. R., Kumar, A., Ibrahim, A.S., Kamakshi, K., Silva, J. P. B, Sekhar, K. C., & Gomes, M. J. M (2019). Substrate temperature induced effect on microstructure, optical and photocatalytic activity of ultrasonic spray pyrolysis deposited MoO₃ thin films, *Materials Research Express*, 6, 066421 (IF:1.449)

Muthuselvam, P., Nehru, R., Ramesh Babu, K., Saranya, K., Kaul, S. N., Shen-Ming Chen, Wei-Tin Chen, Yanwen Liu, Guang-Yu Guo, Faxian Xiu, & Sankar, R. (2019). Gd₂Te₃ an antiferromagnetic semimetal., *Journal of Physics: Condensed Matter.* 31, 285802 (IF: 2.711)

Ponmurugan, M. (2019) Heat Engine Model Exhibit Super-Universal Feature and Capture the Efficiencies of Different Power Plants. *J. Stat. Mech. Theory Exp.* 113202. (I.F: 2.371)

Raman Sankar, I., Muthuselvam, P., Ramesh Babu, K., SenthilMurugan, G., Karthik, Rajagopal, Rakesh Kumar, Tsung-Chi Wu, Cheng-Yen Wen, Wei-Li Lee, Guang-Yu Guo, and Fang-Cheng Chou (2019). Crystal growth and magnetic properties of topological nodal-line semimetal GdSbTe with antiferromagnetic spin ordering., *Inorganic Chemistry accepted* (IF: 4.85)

2018

Apostol, I., Rodríguez, J., Cañadas, I., Galindo, J., Mendez, S. L., de Abreu Martins, P. L., ...& Saravanan, K. V. (2018). Concentrated solar energy used for sintering magnesium titanates for electronic applications. *Applied Surface Science*, 438: 59-65. (IF: 5.155)

Ashwin Kishore, M. R. & Ravindran, P. (2018). Metamagnetism stabilized giant magnetoelectric coupling in ferroelectric x BaTiO₃-(1-x) BiCoO₃ solid solution. *Physical Chemistry Chemical Physics*, 20(10): 7021-7032. (IF: 3.567)

Farheen Khurshid, M. Jayavelan, Keisuke Takahashi, M. Sterlin Leo Hudson & Samuthira (2018). Organic semiconductor/graphene oxide composites as a photo-anode for photoelectrochemical, *RSC Adv.* (IF: 3.049)

Khurshid, F. M., Jayavelan, Takahashi, K. M., Hudson, S.L., & Nagarajan, S. (2018). Aryl fluoride functionalized graphene oxides for the application of excellent, *RSC Adv.*, 8(36). 20440-20449. (IF: 3.049)

Iyyappan, I., & Ponmurugan, M. (2018). General relations between the power, efficiency, and dissipation for the irreversible heat engines in the nonlinear response regime. *Physical Review E*, 97(1): 012141. (IF: 2.353)

Iyyappan, I., & Ponmurugan, M. (2018). Relations between the efficiency, power and dissipation for linear irreversible heat engine at maximum trade-off figure of merit. *Journal of Statistical Mechanics: Theory and Experiment*, 2018(3): 033202. (IF: 2.371)

Jaleel, A. A. A., Ponmurugan, M., Rajesh, R., & Satyanarayana, S. V. M. (2018). Phase transitions in a linear self-interacting polymer on FCC lattice using flat energy interacting growth walk algorithm. *Journal of Statistical Mechanics: Theory and Experiment*, 2018(11): 113301. (IF: 2.371)

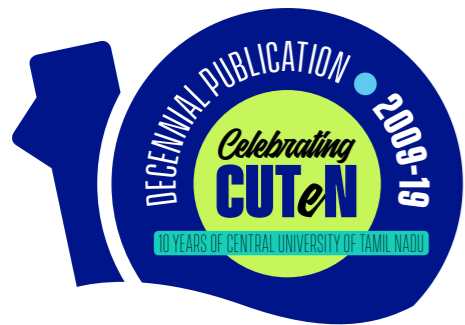
Kabara, K., Madhurima, V., Kumbharkhane, A. C., & Sarode, A. V. (2018). Study of H₁ spin lattice relaxation and dielectric relaxation in Poly (propylene glycol) system. *Materials Chemistry and Physics*, 209: 16-22. (IF: 2.781)

Ashwin Kishore, M. R., Sjästad, A. O., & Ravindran, P. (2019). Influence of hydrogen and halogen adsorption on the photocatalytic water splitting activity of C₂N monolayer: A first-principles study. *Carbon*, 141: 50-58. (IF: 7.466)

Nilavarasi, K., & Madhurima, V. (2018). Controlling breath figure patterns on PDMS by concentration variation of ethanol-methanol binary vapors. *The European Physical Journal E*, 41(7): 82. (IF: 1.686)

Nilavarasi, K., & Madhurima, V. (2018). Influence of polar and dispersive part of surface tension on the self-assembly of droplets on PDMS surfaces. *Materials Today: Proceedings*, 5(8): 16424-16432. (IF: 0.694)

Nilavarasi, K., Kartha, T. R., & Madhurima, V. (2018). Evidence of anomalous behavior of intermolecular interactions at low concentration of methanol in



ethanol-methanol binary system. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 188, 301-310. (IF: 2.931)

Oliveira, M. J. S., Silva, J. P. B., Veltruská, K., Matolín, V., Sekhar, K. C., Moreira, J. A., ... & Gomes, M. J. M. (2018). Annealing induced effect on the physical properties of ion-beam sputtered 0.5 Ba (Zr_{0.2}Ti_{0.8}) O₃-0.5 (Ba_{0.7}Ca_{0.3}) TiO₃- δ ferroelectric thin films. *Applied Surface Science*, 443, 354-360. (IF: 5.155)

Patra, L., Pan, Z., Chen, J., Azuma, M., & Ravindran, P. (2018). Metamagnetism stabilized giant magnetoelectric coupling in ferroelectric x BaTiO₃-(1-x) BiCoO₃ solid solution. *Physical Chemistry Chemical Physics*, 20(10), 7021-7032. (IF: 3.567)

Ramalingam, G., Saravanan, K. V., Vizhi, T. K., Rajkumar, M., & Baskar, K. (2018). Synthesis of water-soluble and bio-tagable CdSe@ ZnS quantum dots. *RSC advances*, 8(16), 8516-8527. (IF: 3.049)

Ramesh, A., Jeyavelan, M., & Hudson, M. S. L. (2018). Electrochemical properties of reduced graphene oxide derived through camphor assisted combustion of graphite oxide. *Dalton Transactions*, 47(15): 5406-5414. (IF: 4.052)

Roshan Jose, Vineetha, P., Muhammad Asif Rafiq, & Venkata Saravanan, K. "Investigation of Defect Chemistry and Relaxation Process in Niobium Doped and Undoped SrBi₄Ti₄O₁₅ Using Impedance Spectroscopy", *RSC Advances*, 8: 34437. (IF: 3.049)

Silva, J. P. B., Sekhar, K. C., Cortés-Juan, F., Negrea, R. F., Kuncser, A. C., Connolly, J. P., ... & Moreira, J. A. (2018). Ferroelectric photovoltaic characteristics of pulsed laser deposited 0.5 Ba (Zr_{0.2}Ti_{0.8}) O₃-0.5 (Ba_{0.7}Ca_{0.3}) TiO₃/ZnO heterostructures. *Solar Energy*, 167, 18-23. (IF: 4.674)

Tkach, A., Resende, J., Saravanan, K. V., Costa, M. E., Diaz-Chao, P., Guilmeau, E., ... & Vilarinho, P. M. (2018). Abnormal Grain Growth as a Method To Enhance the Thermoelectric Performance of Nb-Doped Strontium Titanate Ceramics. *ACS Sustainable Chemistry & Engineering*, 6(12): 15988-15994. (IF: 6.970)

Anjali N. N., & Arun, R. (2018). "Comment on protecting bipartite entanglement by quantum interferences", *Physical Review A*, 97: 036301 (IF: 2.907)

Tkach, A., João Resende, Venkata Saravanan, K., Elisabete Costa, M., Chao, P.B., Guilmeau, E., Olena Okhay, Orlinski,

K., Pawlak, D.A., Vilarinho P.M. (2018) "Abnormal grain growth as a method to enhance the thermoelectric performance of Nb-doped strontium titanate ceramics", *ACS Sustainable Chem. Eng.*, Volume 6 (12), 15988.

Silva, J. M. B., Silva, J. P. B., Sekhar, K. C., Pereira, M., Gomes, M.J.M. (2018) Impact of the ferroelectric layer thickness on the resistive switching characteristics of ferroelectric/dielectric structures, *Applied Physics Letters*, 113 (10), 102904 (IF: 3.521)

Silva, J. P. B., Wang, J., Koster, G., Rijnders, G., Negrea, R.F., Ghica, C., Sekhar, K. C., Moreira, J.A., Gomes, M. J. M. (2018). Hysteretic Characteristics of Pulsed Laser Deposited 0.5Ba(Zr_{0.2}Ti_{0.8})O₃-0.5(Ba_{0.7}Ca_{0.3})TiO₃/ZnO Bilayers, *ACS Applied Materials & Interfaces* 10 (17), 15240-15249 (IF: 8.456)

Silva, J.P. B., Silva, J.M. B., Oliveira, M. J. S., Weingärtner, T., Sekhar, K.C., Pereira, M., Gomes, M. J. M. (2018). High-Performance Ferroelectric-Dielectric Multilayered Thin Films for Energy Storage Capacitors, *Advanced Functional Materials*, 29, 1807196 (IF: 15.621)

2017

Ayyappan, N., & Kavitha, L. (2017). Solitary wave excitation in DNA under the influence of morse potential and the effect of stretching. *Mathematical Sciences International Research Journal*, 6(2): 99-103.

Boopathy, C., Kavitha, L., & Gopi, D. (2017). Decay of Localized Pulse Waves through Viscoelastic Tube of an Arterial System. *International Journal of Electronics, Electrical and Computational System*, 6(8): 471-476.

Chitra Lekha, C. S., Kumar, A. S., Vivek, S., Anantharaman, M. R., Venkata Saravanan, K., & Nair, S. S. (2017). Strain induced giant magnetoelectric coupling in KNN/Metglas/KNN sandwich multilayers. *Applied Physics Letters*, 110(1): 012901. (IF: 3.521)

Elangomannan, S., Kavitha, L., Dharmaraj, B. M., Kandasamy, V. S., Soundarapandian, K., & Gopi, D. (2017). Carbon nanofiber/polycaprolactone/mineralized hydroxyapatite nanofibrous scaffolds for potential orthopedic applications. *ACS Applied Materials & Interfaces*, 9(7): 6342-6355. (IF: 8.456)

Iyyappan, I., & Ponmurugan, M. (2017). Thermoelectric energy converters under a trade-off figure of merit with broken time-reversal symmetry. *Journal of Statistical Mechanics: Theory and Experiment*, 2017(9): 093207. (IF: 2.371)

Jeyavelan, M., Ramesh, A., Kannan, R. R., Sonia, T., Rugunandhiri, K., & Hudson, M. S. L. (2017). Facile synthesis of uniformly dispersed ZnO nanoparticles on a polystyrene/rGO matrix and its superior electrical conductivity and photocurrent generation. *RSC Advances*, 7(50): 31272-31280. (IF: 3.049)

Kamakshi, K., Silva, J. P. B., Sekhar, K. C., Moreira, J. A., Almeida, A., Pereira, M., & Gomes, M. J. M. (2018). Sub-

strate Temperature Effect on Microstructure, Optical, and Glucose Sensing Characteristics of Pulsed Laser Deposited Silver Nanoparticles. *Plasmonics*, 13(4): 1235-1241. (IF: 2.926)

Kavitha, L., Parasuraman, E., Muniyappan, A., Gopi, D., & Zdravković, S. (2017). Localized discrete breather modes in neuronal microtubules. *Nonlinear Dynamics*, 88(3): 2013-2033. (IF: 4.604)

Kavitha, L., Priya, R., & Gopi, D. (2017). Effect of temperature on the discrete solitons in Microtubules. *Mathematical Sciences International Research Journal*, 6(2):99-103.

Kavitha, L., Sataric, M. V., Gopi, D., & Muniyappan, A. (2017). Perturbed solitary excitations and soliton collisions along microtubule protofilament for assembly/disassembly processes. *Journal of Biological Physics*. (IF: 0.857)

Ashwin Kishore, M. R., & Ravindran, P. (2017). Enhanced photocatalytic water splitting in a C₂N monolayer by C site isoelectronic substitution. *ChemPhysChem*, 18(12): 1526-1532.

Kumar, V. S., Kavitha, L., & Gopi, D. (2017). Propagation of electromagnetic soliton in a spin polarized current driven weak ferromagnetic nanowire. *Journal of Magnetism and Magnetic Materials*, 441:660-671. (IF: 2.683)

Kumar, V. S., Kavitha, L., Boopathy, C., & Gopi, D. (2017). Loss-less propagation, elastic and inelastic interaction of electromagnetic soliton in an anisotropic ferromagnetic nanowire. *Communications in Nonlinear Science and Numerical Simulation*, 51, 50-65. (IF: 3.967)

Kunti, A. K., Sekhar, K. C., Pereira, M., Gomes, M. J. M., & Sharma, S. K. (2017). Oxygen partial pressure induced effects on the microstructure and the luminescence properties of pulsed laser deposited TiO₂ thin films. *AIP advances*, 7(1): 015021. (IF: 1.579)

Qian, Z., Raghubanshi, H., Hudson, M. S. L., Srivastava, O. N., Liu, X., & Ahuja, R. (2017). Ab initio insight into graphene nanofibers to destabilize hydrazine borane for hydrogen release. *Chemical Physics Letters*, 669: 110-114. (IF: 1.901)

Silva, J. P. B., Fanta, F. L., Kamakshi, K., Sekhar, K. C., Moreira, J. A., Almeida, A., ... & Gomes, M. J. M. (2017). Enhanced resistive switching characteristics in Pt/BaTiO₃/ITO structures through insertion of HfO₂: Al₂O₃ (HAO) dielectric thin layer. *Scientific reports*, 7, 46350. (IF: 4.011)

Silva, J. P. B., Kamakshi, K., Sekhar, K. C., Nóvoa, X. R., Queirós, E. C., Moreira, J. A., ... & Gomes, M. J. M. (2017). Light controlled resistive switching and photovoltaic effects in ferroelectric 0.5 Ba (Zr_{0.2}Ti_{0.8}) O₃-0.5 (Ba_{0.7}Ca_{0.3}) TiO₃ thin films. *Journal of the European Ceramic Society*, 37(2): 583-591. (IF: 4.029)

Silva, J. P. B., Vorokhta, M., Dvořák, F., Sekhar, K. C., Matolín, V., Moreira, J. A., ... & Gomes, M. J. M. (2017). Unraveling the resistive switching effect in ZnO/0.5 Ba (Zr_{0.2}Ti_{0.8}) O₃-0.5 (Ba_{0.7}Ca_{0.3}) TiO₃ heterostructures. *Applied Surface Science*, 400: 453-460. (IF: 5.155)

Varunaa, R., & Ravindran, P. (2017). Phase Stability, Phase Mixing, and Phase Separation in Fluorinated Alkaline

Earth Hydrides. *The Journal of Physical Chemistry C*, 121(40): 21806-21820. (IF: 4.309)

2016

Arun, R. (2016). Superluminal light propagation via quantum interference in decay channels. *Physical Review A*, 94(4): 043843. (IF: 2.907)

Chozhanathmisra, M., Ramya, S., Kavitha, L., & Gopi, D. (2016). Development of zinc-halloysite nanotube/minerals substituted hydroxyapatite bilayer coatings on titanium alloy for orthopedic applications. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 511: 357-365. (IF: 3.131)

Darvishi, M. T., Kavitha, L., Najafi, M., & Kumar, V. S. (2016). Elastic collision of mobile solitons of a (3+1)- dimensional soliton equation. *Nonlinear Dynamics*, 86 (2): 765-778. (IF: 4.604)

Darvishi, M., Najafi, M., Arbabi, S., & Kavitha, L. (2016). Exact propagating multi-anti-kink soliton solutions of a (3+1)-dimensional B-type Kadomtsev-Petviashvili equation. *Nonlinear Dynamics*, 83(3): 1453-1462. (IF: 4.604)

Gopi, D., Ansari, M. T., & Kavitha, L. (2016). Electrochemical synthesis and characterization of cubic magnetite nanoparticle in aqueous ferrous perchlorate medium. *Arabian Journal of Chemistry*, 9: S829-S834. (IF: 3.298)

Gopi, D., Kavitha, L., Ramya, S., & Rajeswari, D. (2016). Chemical and green routes for the synthesis of multifunctional pure and substituted nanohydroxyapatite for biomedical applications. In: *Engineering of Nanobio-materials* (pp. 485-521). William Andrew Publishing.

Hudson, M. S. L., Takahashi, K., Ramesh, A., Awasthi, S., Ghosh, A. K., Ravindran, P., & Srivastava, O. N. (2016). Graphene decorated with Fe nanoclusters for improving the hydrogen sorption kinetics of MgH₂-experimental and theoretical evidence. *Catalysis Science & Technology*, 6(1): 261-268. (IF: 5.726)

Kamakshi, K., Silva, J. P. B., Sekhar, K. C., Marslin, G., Moreira, J. A., Conde, O., ... & Gomes, M. J. M. (2016). Influence of substrate temperature on the properties of pulsed laser deposited silver nanoparticle thin films and their application in SERS detection of bovine serum albumin. *Applied Physics B*, 122(5): 108. (IF: 1.769)

Kavitha, L., Kumar, V. S., Gopi, D., & Bhuvaneshwari, S. (2016). Propagation of envelope bright breather coupled wave modes in Ablowitz-Ladik chains. *Applied Mathematical Modelling*, 40(19-20): 8139-8155. (IF: 2.841)

Kavitha, L., Lavanya, C., Senthil Kumar, V., Gopi, D., & Pasqua, A. (2016). Perturbed soliton excitations of Rao-dust Alfvén waves in magnetized dusty plasmas. *Physics of Plasmas*, 23(4): 043702. (IF: 1.913)

Kavitha, L., Mohamadou, A., Parasuraman, E., Gopi, D., Akila, N., & Prabhu, A. (2016). Modulational instability and nano-scale energy localization in ferromagnetic spin



chain with higher order dispersive interactions. *Journal of Magnetism and Magnetic Materials*, 404, 91-118. (IF: 2.683)

Kavitha, L., Parasuraman, E., Gopi, D., & Bhuvaneshwari, S. (2016). Propagation of electromagnetic solitons in an antiferromagnetic spinladder medium. *Journal of Electromagnetic Waves and Applications*, 30(6): 740-766. (IF: 1.351)

Kavitha, L., Parasuraman, E., Gopi, D., Prabhu, A., & Vicencio, R. A. (2016). Nonlinear nano-scale localized breather modes in a discrete weak ferromagnetic spin lattice. *Journal of Magnetism and Magnetic Materials*, 401, 394-405. (IF: 2.683)

Kavitha, L., Priya, R., Ayyappan, N., Gopi, D., & Jayanthi, S. (2016). Energy transport mechanism in the form of proton soliton in a one-dimensional hydrogen-bonded polypeptide chain. *Journal of Biological Physics*, 42(1): 9-31. (IF: 0.857)

Kavitha, L., Saravanan, M., Senthil Kumar, V., & Gopi, D. (2016). Magnetization reversal in a site-dependent anisotropic Heisenberg ferromagnet under electromagnetic wave propagation. *Journal of the Association of Arab Universities for Basic and Applied Sciences*, 19(1), 80-90.

Kishore, M. A., Okamoto, H., Patra, L., Vidya, R., Sjästad, A. O., Fjellvåg, H., & Ravindran, P. (2016). Theoretical and experimental investigation on structural, electronic and magnetic properties of layered Mn₅O₈. *Physical Chemistry Chemical Physics*, 18(40): 27885-27896. (IF: 3.567)

Kumar, A. S., Lekha, C. C., Vivek, S., Saravanan, V., Nandakumar, K., & Nair, S. S. (2016). Multiferroic and magnetoelectric properties of Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O₃-CoFe₂O₄ core-shell nanocomposite. *Journal of Magnetism and Magnetic Materials*, 418: 294-299. (IF: 2.683)

Kunti, A. K., Sekhar, K. C., Pereira, M., Gomes, M. J. M., & Sharma, S. K. (2016). Synthesis, structural and luminescence studies of pyrochlore phase free TiO₂: Dy³⁺ produced by solid state reaction method. *International Journal of Applied Ceramic Technology*, 13(6): 1139-1148. (IF: 1.074)

Lekha, C. C., Kumar, A. S., Vivek, S., Rasi, U. M., Saravanan, K. V., Nandakumar, K., & Nair, S. S. (2016). High voltage generation from lead-free magnetoelectric coaxial nanotube arrays and their applications in nano energy harvesters. *Nanotechnology*, 28(5): 055402. (IF: 3.399)

Madhurima, V., & Nilavarasi, K. (2016, October). De-pinning of contact line of droplets on rough surfaces. In: *Journal of Physics: Conference Series* (Vol. 765, No. 1, p. 012001). IOP Publishing.

Patra, L., Kishore, M. A., Vidya, R., Sjästad, A. O., Fjellvåg, H., & Ravindran, P. (2016). Electronic and Magnetic Structures of Hole Doped Trilayer La_{4-x}Sr_xNi₃O₈ from First-Principles Calculations. *Inorganic chemistry*, 55(22): 11898-11907. (IF: 4.850)

Ponmurugan, M. (2016). Tsallis statistics generalization of nonequilibrium work relations. *Physical Review E*, 93(3), 032107. (IF: 2.353)

Prasad, M. D., Shaik, U. P., Madhurima, V., & Krishna, M. G. (2016). Low temperature growth of ZnO nanostructures on flexible polystyrene substrates for optical, photoluminescence and wettability applications. *Materials Research Express*, 3(8): 085010. (IF: 1.449)

Praveena, R., Rao, G. V., Balasubrahmanyam, K., Krishna, M. G., & Madhurima, V. (2016). Optical and water repellent properties of Ag/SnO₂ bilayer thin films. *Aims Materials Science*, 3(1): 231-244. (IF: 0.60)

Silva, J. P. B., Kamakshi, K., Sekhar, K. C., Moreira, J. A., Almeida, A., Pereira, M., & Gomes, M. J. M. (2016). Light-controlled resistive switching in laser-assisted annealed Ba_{0.8}Sr_{0.2}TiO₃ thin films. *physica status solidi (a)*, 213(4): 1082-1087. (IF: 1.795)

Silva, J. P. B., Kamakshi, K., Sekhar, K. C., Moreira, J. A., Almeida, A., Pereira, M., & Gomes, M. J. M. (2016). Ferroelectric polarization and resistive switching characteristics of ion beam assisted sputter deposited BaTiO₃ thin films. *Journal of Physics and Chemistry of Solids*, 92: 7-10. (IF: 2.752)

Silva, J. P. B., Kamakshi, K., Sekhar, K. C., Queirós, E. C., Moreira, J. A., Almeida, A., ... & Gomes, M. J. M. (2016). Resistive switching in ferroelectric lead-free 0.5 Ba (Zr_{0.2}Ti_{0.8})O₃-0.5 (Ba_{0.7}Ca_{0.3})TiO₃ thin films. *Journal of Physics D: Applied Physics*, 49(33): 335301. (IF: 2.829)

Wang, L., Tomlin, A., Pandita, S. D., Gupta, B. D., Malik, S. A., Hudson, M., ... & Fernando, G. F. (2016). In-situ monitoring of cross-linking reactions using E-glass fibres and evanescent wave spectroscopy. *Sensors and Actuators B: Chemical*, 236: 358-366. (IF: 6.393)

Arun, R. (2016). Superluminal light propagation via quantum interference in decay channels. *Physical Review A*, 94: 043843. (IF: 2.907)

2015

Apostol, I., Mahajan, A., Monty, C. J., & Saravanan, K. V. (2015). Nanostructured MgTiO₃ thick films obtained by electrophoretic deposition from nanopowders prepared by solar PVD. *Applied Surface Science*, 358: 641-646. (IF: 5.155)

Gopi, D., Murugan, N., Ramya, S., Shinyjoy, E., & Kavitha, L.

(2015). Ball flower like manganese, strontium substituted hydroxyapatite/cerium oxide dual coatings on the AZ91 Mg alloy with improved bioactive and corrosion resistance properties for implant applications. *RSC Advances*, 5(35): 27402-27411. (IF: 3.049)

Gopi, D., Shinyjoy, E., Karthika, A., Nithiya, S., Kavitha, L., Rajeswari, D., & Tang, T. (2015). Single walled carbon nanotubes reinforced mineralized hydroxyapatite composite coatings on titanium for improved bio-compatible implant applications. *RSC Advances*, 5(46): 36766-36778. (IF: 3.049)

Hudson, M. S. L., Takahashi, K., Ramesh, A., Awasthi, S., Ghosh, A. K., Ravindran, P., & Srivastava, O. N. (2016). Graphene decorated with Fe nanoclusters for improving the hydrogen sorption kinetics of MgH₂-experimental and theoretical evidence. *Catalysis Science & Technology*, 6(1): 261-268. (IF: 5.726)

Iozzi, M. F., Vajeeston, P., Vidya, R., Ravindran, P., & Fjellvåg, H. (2015). Structural and electronic properties of transparent conducting delafossite: a comparison between the AgBO₂ and CuBO₂ families (B= Al, Ga, In and Sc, Y). *RSC Advances*, 5(2), 1366-1377. (IF: 3.049)

Kamakshi, K., Sekhar, K. C., Almeida, A., Moreira, J. A., & Gomes, M. J. M. (2015). Surface plasmon resonance-coupled photoluminescence and resistive switching behavior of pulsed laser-deposited Ag: SiC nanocermet thin films. *Plasmonics*, 10(5): 1211-1217. (IF: 2.926)

Karthika, A., Kavitha, L., Surendiran, M., Kannan, S., & Gopi, D. (2015). Fabrication of divalent ion substituted hydroxyapatite/gelatin nanocomposite coating on electron beam treated titanium: mechanical, anticorrosive, antibacterial and bioactive evaluations. *RSC Advances*, 5(59): 47341-47352. (IF: 3.049)

Karzazi, O., Sekhar, K. C., El Amiri, A., Hlil, E. K., Conde, O., Levichev, S., ... & Gomes, M. J. M. (2015). Structural, optical and magnetic properties of pulsed laser deposited Co-doped ZnO films. *Journal of Magnetism and Magnetic Materials*, 395: 28-33. (IF: 2.683)

Madhurima, V. (2015). Molecular Interactions and Designer Materials. *Invertis Journal of Renewable Energy*, 5(1): 34-40. (IF: 6.2)

Mahajan, A., Rodriguez, B. J., Saravanan, K. V., Ramana, E. V., Costa, P. M., & Vilarinho, P. M. (2015). Covering vertically aligned carbon nanotubes with a multiferroic compound. *Carbon*, 82: 408-416. (IF: 7.466)

Manimuthu, P., Vidya, R., Ravindran, P., & Fjellvåg, H. & Venkateswaran, C. (2015). Electronic, magnetic, and magneto-dielectric properties of Lu₃Fe₄O₁₂ ceramics. *Physical Chemistry Chemical Physics*, 17:27. (IF: 3.567)

Murugan, N., Shinyjoy, E., Surendiran, M., Gopi, D., & Kavitha, L. Electrodeposition of manganese substituted hydroxyapatite/zinc oxide duplex-layer on AZ91 magnesium alloy for orthopaedic applications, *International Journal of ChemTech Research*, 7(2). 583-589. (IF: 0.41)

Rafiq, M. A., Rafiq, M. N., & Saravanan, K. V. (2015). Dielectric and impedance spectroscopic studies of lead-free

barium, calcium, zirconium, titanium oxide ceramics. *Ceramics International*, 41(9), 11436-11444. (IF: 3.450)

Sathishkumar, S., Karthika, A., Surendiran, M., Kavitha, L., & Gopi, D. (2015). Electrodeposition of cerium substituted hydroxyapatite coating on passivated surgical grade stainless steel for biomedical application. *International Journal of ChemTech Research*, 7: 533-538. (IF: 0.41)

Sekhar, K. C., Kamakshi, K., Bernstorff, S., & Gomes, M. J. (2015). Effect of annealing temperature on photoluminescence and resistive switching characteristics of ZnO/Al₂O₃ multilayer nanostructures. *Journal of Alloys and Compounds*, 619: 248-252. (IF: 4.175)

Silva, J. P. B., Queirós, E. C., Tavares, P. B., Sekhar, K. C., Kamakshi, K., Moreira, J. A., ... & Gomes, M. J. M. (2015). Ferroelectric phase transitions studies in 0.5 Ba (Zr_{0.2}Ti_{0.8})O₃-0.5 (Ba_{0.7}Ca_{0.3})TiO₃ ceramics. *Journal of Electroceramics*, 35(1-4): 135-140. (IF: 1.966)

Singh, B., Kaushal, A., Bdikin, I., Saravanan, K. V., & Ferreira, J. M. F. (2015). Effect of Ni doping on structural and optical properties of Zn_{1-x}Ni_xO nanopowder synthesized via low cost sono-chemical method. *Materials Research Bulletin*, 70, 430-435. (IF: 3.355)

2014

Arun, R. (2014). Phase control of squeezing in Fluorescence radiation. *J.Phys. B At. Mol. Opt. Phys.* 47: 245501.

Fendji, M. D., Effa, J. Y., Tiofack, C. G. L., Kavitha, L., Mohamadou, A., & Essimbi, B. Z. (2014). Stability Analysis of Jacobi Elliptic Solutions of Microtubule. *Journal of Computational and Theoretical Nanoscience*, 11(11), 2297-2303. (IF: 0.11)

Gopi, D., Nithiya, S., Shinyjoy, & E., Kavitha, L. (2014). Carbon nanotubes/carboxymethyl chitosan/minerals substituted hydroxyapatite composite coating on Ti-6Al-4V alloy for improved mechanical and biological properties, *Industrial & Engineering Chemistry Research*, 53, 7660-7669. (IF: 3.375)

Gopi, D., Kanimozhi, K., Bhuvaneshwari, N., Indira, J., & Kavitha, L. (2014). Novel banana peel pectin mediated green route for the synthesis of hydroxyapatite nanoparticles and their spectral characterization. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 118, 589-597. (IF: 2.931)

Gopi, D., Karthika, A., Nithiya, S., & Kavitha, L. (2014). In vitro biological performance of minerals substituted hydroxyapatite coating by pulsed electrodeposition method. *Materials Chemistry and Physics*, 144(1-2), 75-85. (IF: 2.781)

Gopi, D., Karthika, A., Rajeswari, D., Kavitha, L., Pramod, R., & Dwivedi, J. (2014). Investigation on corrosion protection and mechanical performance of minerals substituted hydroxyapatite coating on HELCDEB-treated titanium using pulsed electrodeposition method. *RSC*



- Advances, 4(66), 34751-34759. (IF: 3.049)
- Gopi, D., Murugan, N., Ramya, S., & Kavitha, L. (2014). Electrodeposition of a porous strontium-substituted hydroxyapatite/zinc oxide duplex layer on AZ91 magnesium alloy for orthopedic applications. *Journal of Materials Chemistry B*, 2(34), 5531-5540. (IF: 5.047)
- Gopi, D., Ramya, S., Rajeswari, D., Karthikeyan, P., & Kavitha, L. (2014). Strontium, cerium co-substituted hydroxyapatite nanoparticles: synthesis, characterization, antibacterial activity towards prokaryotic strains and in vitro studies. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 451,172-180. (IF: 3.131)
- Gopi, D., Ramya, S., Rajeswari, D., Surendiran, M., & Kavitha, L. (2014). Development of strontium and magnesium substituted porous hydroxyapatite/poly (3, 4-ethylene-dioxythiophene) coating on surgical grade stainless steel and its bioactivity on osteoblast cells. *Colloids and Surfaces B: Biointerfaces*, 114, 234-240. (IF: 3.973)
- Gopi, D., Saraswathy, R., & Kavitha, L. (2014). Electrochemical synthesis and anticorrosive performance of poly (indole-co-thiophene) on low nickel stainless steel in 0.5 M H₂SO₄. *Polymer International*, 63: 280-289. (IF: 2.433)
- Gopi, D., Sathishkumar, S., Karthika, A., & Kavitha, L. (2014). Development of Ce³⁺/Eu³⁺ dual-substituted hydroxyapatite coating on surgical grade stainless steel for improved antimicrobial and bioactive properties. *Industrial & Engineering Chemistry Research*, 53(52), 20145-20153. (IF: 3.375)
- Gopi, D., Sherif, E. S. M., Rajeswari, D., Kavitha, L., Pramod, R., Dwivedi, J., & Polaki, S. R. (2014). Evaluation of the mechanical and corrosion protection performance of electrodeposited hydroxyapatite on the high energy electron beam treated titanium alloy. *Journal of Alloys and Compounds*, 616, 498-504. (IF: 4.175)
- Gopi, D., Sherif, E. S. M., Surendiran, M., Jothi, M., Kumaradhas, P., & Kavitha, L. (2014). Experimental and theoretical investigations on the inhibition of mild steel corrosion in the ground water medium using newly synthesised bipodal and tripodal imidazole derivatives. *Materials Chemistry and Physics*, 147(3), 572-582. (IF: 2.781)
- Gopi, D., Shinyjoy, E., & Kavitha, L. (2014). Synthesis and spectral characterization of silver/magnesium co-substituted hydroxyapatite for biomedical applications. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 127, 286-291. (IF: 2.931)
- Hamedi-Nezhad, S., Sofla, M. Z., Kavitha, L., & Kumar, V. S. (2014). New Rational Solutions for Relativistic Discrete Toda Lattice System. *Communications in Theoretical Physics*, 62(3), 363. (IF: 1.416)
- Hudson, M. S. L., Raghubanshi, H., Awasthi, S., Sadhasivam, T., Bhatnager, A., Simizu, S., & Srivastava, O. N. (2014). Hydrogen uptake of reduced graphene oxide and graphene sheets decorated with Fe-nanoclusters. *International Journal of Hydrogen Energy*, 39(16), 8311-8320. (IF: 4.084)
- Irfan, M.S., Machavaram, V.R., Murray, R.C., Bogonez, F.N., Wait, C.F., Pandita, S.D., Paget, M.A., Hudson, M., & Fernando, G.F. (2014). The design and optimisation of a rig to enable the lateral spreading of fibre bundles, *Journal of Composite Materials*. (IF: 1.755)
- Kanimozhi, K., Gopi, D., & Kavitha, L. (2014). Synthesis and characterization of banana peel derived biopolymer/hydroxyapatite nanocomposite for biomedical applications. *Int J Sci Eng Res*, 5, 138-140. (IF: 0.37)
- Kaushal, A., Olhero, S. M., Singh, B., Zamiri, R., Saravanan, V., & Ferreira, J. M. F. (2014). Successful aqueous processing of a lead free 0.5 Ba (Zr 0.2 Ti 0.8) O 3-0.5 (Ba 0.7 Ca 0.3) TiO 3 piezoelectric material composition. *RSC Advances*, 4(51), 26993-27002. (IF: 3.049)
- Kavitha, L., Muniyappan, A., Zdravković, S., Satarić, M. V., Marlewski, A., Dhamayanthi, S., & Gopi, D. (2014). Propagation of kink-antikink pair along microtubules as a control mechanism for polymerization and depolymerization processes. *Chinese Physics B*, 23(9), 098703. (IF: 1.469)
- Kavitha, L., Saravanan, M., Senthilkumar, V., Ravichandran, R., & Gopi, D. (2014). Collision of electromagnetic solitons in a weak ferromagnetic medium. *Journal of Magnetism and Magnetic Materials*, 355, 37-50. (IF: 2.683)
- Kavitha, L., Venkatesh, M., Dhamayanthi, S., & Gopi, D. (2014). Nonlinear refractive index induced collision and propagation of nematicons. *Journal of Molecular Liquids*, 197, 142-151. (IF: 4.561)
- Likhtman, A.E., & Ponmurugan, M. (2014). Microscopic definition of polymer entanglements. *Macromolecules*, 47:1470-81. (IF: 5.997)
- Madhurima, V., Priyanka, K. G., Pavan, K. S. N. D., & Nagarajan, S. (2014). Analysis of wetting of perylene diimide thin films-on-glass by water. In: *Key Engineering Materials* (Vol. 594, pp. 1074-1077).
- Murugan, N., Shinyjoy, E., Surendiran, M., D. Gopi & Kavitha, L. (2014). Electrodeposition of manganese substituted hydroxyapatite/zinc oxide duplex-layer on AZ91 magnesium alloy for orthopaedic applications. *International Journal of ChemTech Research*, 7(2): 583-

589. (IF: 0.41)

- Purkayastha, D. D., Brahma, R., Krishna, M. G., & Madhurima, V. (2015). Effects of metal doping on photoinduced hydrophilicity of SnO₂ thin films. *Bulletin of Materials Science*, 38(1): 203-208. (IF: 1.264)
- Purkayastha, D. D., Krishna, M. G., & Madhurima, V. (2014). Molybdenum doped tin oxide thin films for self-cleaning applications. *Materials Letters*, 124, 21-23. (IF: 3.019)
- Rajeswari, D., Ramya, S., Gopi, D., & Kavitha, L. (2014). Coating of strontium substituted hydroxyapatite on surface treated surgical grade stainless steel by electrodeposition for biomedical applications. *International Journal of Scientific and Engineering Research*, 5(3):141-143. (IF: 4.2)
- Ramya, S., Rajeswari, D., Palanisamy, M., Gopi, D., & Kavitha, L. (2014). Corrosion and biodegradability evaluation of magnesium substituted porous hydroxyapatite/polyethylene dioxy thiophene bilayer coating on 316L stainless steel for orthopaedic applications. *International Journal of ChemTech Research*, 7(2): 510-517. (IF: 0.41)
- Shaik, U. P., Purkayastha, D. D., Krishna, M. G., & Madhurima, V. (2015). Nanostructured Zn and ZnO nanowire thin films for mechanical and self-cleaning applications. *Applied Surface Science*, 330, 292-299. (IF: 5.155)
- Venkata, S., & James, R. (2014). Understanding the influence of surface chemical states on the dielectric tunability of sputtered Ba 0.5 Sr 0.5 TiO 3 thin films. *Materials Research Express* (Online), 1(1). (IF: 1.449)
- Arun, R. (2014). Phase control of squeezing in Fluorescence radiation. *J.Phys. B At. Mol. Opt. Phys.* 47: 245501. (IF: 2.115)

2013

- Bhatnagar, A., Pandey, S. K., Shahi, R. R., Hudson, M. S. L., Shaz, M. A., & Srivastava, O. N. (2013). Synthesis, characterization and hydrogen sorption studies of mixed sodium potassium alanate. *Crystal Research and Technology*, 48(8), 520-531. (IF: 1.090)
- Krishna, M. G., Vinjanampati, M., & Purkayastha, D. D. (2013). Metal oxide thin films and nanostructures for self-cleaning applications: current status and future prospects. *The European Physical Journal-Applied Physics*, 62(3). (IF: 0.802)
- Pandey, S. K., Bhatnagar, A., Shahi, R. R., Hudson, M., Singh, M. K., & Srivastava, O. N. (2013). Effect of TiO₂ nanoparticles on the hydrogen sorption characteristics of magnesium hydride. *Journal of nanoscience and nanotechnology*, 13(8), 5493-5499. (IF: 1.093)
- Purkayastha, D. D., & Madhurima, V. (2013). Interactions in water-THF binary mixture by contact angle, FTIR and dielectric studies. *Journal of Molecular Liquids*, 187, 54-57. (IF: 4.561)
- Purkayastha, D. D., Pandeewari, R., Madhurima, V., & Krishna, M. G. (2013). Metal buffer layer mediated wettability of nanostructured TiO₂ films. *Materials Letters*, 92, 151-153. (IF: 3.019)
- Sadhasivam, T., Hudson, M. S. L., Pandey, S. K., Bhatnagar, A., Singh, M. K., Gurunathan, K., & Srivastava, O. N.

- (2013). Effects of nano size mischmetal and its oxide on improving the hydrogen sorption behaviour of MgH₂. *International Journal of Hydrogen Energy*, 38(18):7353-7362. (IF: 4.084)
- Srividya, B., Kavitha, L., Ravichandran, R., & Gopi, D. (2013). Oscillating multidromion excitations in higher-dimensional nonlinear lattice with intersite and external on-site potentials using symbolic computation. *Chinese Physics B*, 23(1), 010307. (IF: 1.469)
- Yang, L. M., Ravindran, P., & Tilsted, M. (2013). Solid-state structure and calculated electronic structure, formation energy, chemical bonding, and optical properties of Zn₄O (FMA) 3 and its heavier congener Cd₄O (FMA) 3. *Inorganic chemistry*, 52(8): 4217-4228. (IF: 4.850)
- Yang, L. M., Ravindran, P., Vajeeston, P., Svelle, S., & Tilsted, M. (2013). A quantum mechanically guided view of Cd-MOF-5 from formation energy, chemical bonding, electronic structure, and optical properties. *Microporous and Mesoporous Materials*, 175: 50-58. (IF: 4.182)
- Zeković, S., Muniyappan, A., Zdravković, S., & Kavitha, L. (2013). Employment of Jacobian elliptic functions for solving problems in nonlinear dynamics of microtubules. *Chinese Physics B*, 23(2), 020504. (IF: 1.469)

2012

- Lalnunsiam, J., & Madhurima, V. (2012). Anchoring of amino acids on glass- a wetting study, *Recent Trends of Research In Physics*. 181-86.
- Lalnunsiam, J., & Madhurima, V. (2012). Wettability studies of ITO substrates using binary mixture of aniline and alcohols. *Environmental Engineering Research*, 17(S1): 49-52.
- Madhurima, V., & Lalnunsiam, J. (2012). Concentration dependent wetting by aniline-ethanol binary system. *Mediterranean Journal of Chemistry*, 2(1):365-373. (IF: 0.34)
- Ponmurugan, M., & Satyanarayana, S.V.M. (2012). The 'theta'-point of interacting self avoiding walks and ring on a 2D square lattice, *JSTAT: Theory and Exp.* (IF: 2.371)
- Ponmurugan, M., & Vemparala, S. (2012). Studies on structural and average unfolding behaviours of FNIII domain of Contactin-1 protein by molecular dynamics simulation *Frontiers in Life Science*, 6:33-45.
- Shaik, U. P., Kshirsagar, S., Krishna, M. G., Tewari, S. P., Purkayastha, D. D., & Madhurima, V. (2012). Growth of superhydrophobic zinc oxide nanowire thin films. *Materials Letters*, 75:51-53. (IF: 3.019)
- Vajeeston, P., Ravindran, P., & Fjellvåg, H. (2012). Reply to A comment on "Prediction of crystal structure, lattice dynamical, and mechanical properties of CaB₂H₂" by Vajeeston et al. *International Journal of Hydrogen Energy*, 3(37):2711-2712. (IF: 4.084)
- Vajeeston, P., Ravindran, P., Fichtner, M., & Fjellvåg, H. (2012). Influence of crystal structure of bulk phase on the stability of nano-phases: Investigation on MgH₂



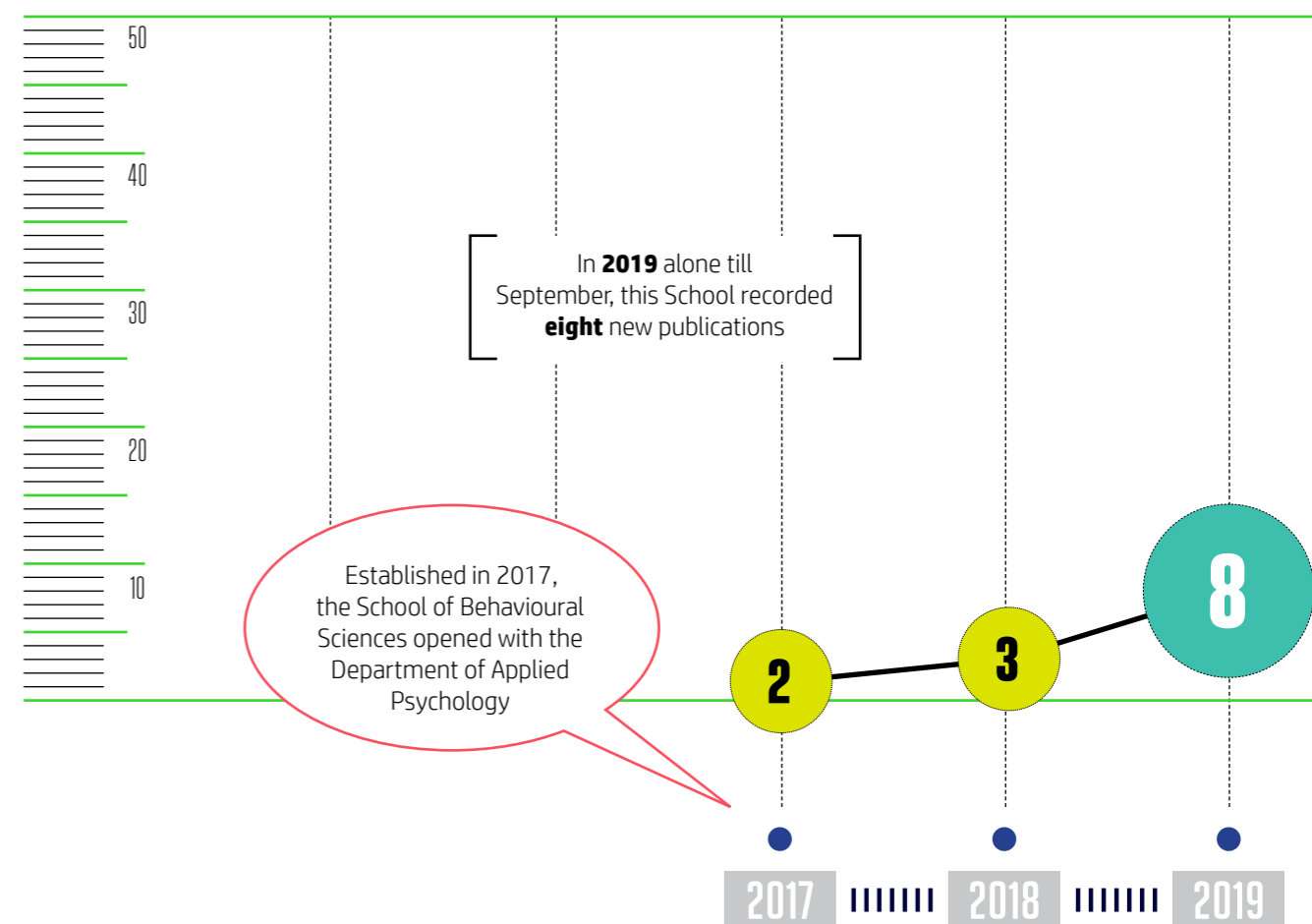
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** Till September 2019*

TOTAL PUBLICATIONS



derived nanostructures. The Journal of Physical Chemistry C, 35(116): 18965-18972. (IF: 4.484)

Vidya, R., Ravindran, P., & Fjellvåg, H. (2012). Abinitio Studies on Li doping, Li-pairs, and complexes between Li and intrinsic defects. Journal of Applied Physics, 111: 123713. (IF: 2.328)

Yang, L. M., Ravindran, P., Vajeeston, P., & Tilset, M. (2012). Ab initio investigations on the crystal structure, formation enthalpy, electronic structure, chemical bonding, and optical properties of experimentally synthesized isorecticular metal-organic framework-10 and its analogues: M-IRMOF-10 (M= Zn, Cd, Be, Mg, Ca, Sr and Ba). RSC Advances, 2(4):1618-1631. (IF: 3.049)

Yang, L. M., Ravindran, P., Vajeeston, P., & Tilset, M. (2012). Formation of an intermediate band in isorecticular metal-organic framework-993 (IRMOF-993) and metal-substituted analogues M-IRMOF-993. Journal of Materials Chemistry, 22(32): 16324-16335. (IF: 9.73)

Yang, L. M., Ravindran, P., Vajeeston, P., & Tilset, M. (2012). Properties of IRMOF-14 and its analogues M-IRMOF-14 (M= Cd, alkaline earth metals): electronic structure, structural stability, chemical bonding, and optical properties. Physical Chemistry Chemical Physics, 14(14): 4713-4723. (IF: 3.567)

DEPARTMENT OF APPLIED PSYCHOLOGY

2019

Mamman, J.C., Kammaath, S.P. & Fincy, M.P. (2019). Yoga and Emotional Intelligence. IAHRW International Journal of Social Sciences, 7(6), 1185-1189. ISSN 2347-3797. UGC Journal No. 41948

Mamman, J.C. & Savitha, K.V. (2019). Marital adjustment and Quality of Life among Nurses. International Journal of Advanced Scientific Research and Management, 4(5), 297-301. ISSN 2455-6378. UGC Journal No. 63502.

Mamman, J.C. & Haritha, P. H. (2019). Suicidal Ideation and coping Strategies among Engineering

students. International Journal for Research in Engineering Application and Management, 5(2), 511-516. ISSN: 2454-9150. UGC Journal No. 64077.

Mamman, J.C., Vithya, V., Neethu, P.S., & Paneer, S. (Eds.). (2019). Health and well-being in a multi sectoral perspective: Recent trends challenges and opportunities. New Delhi: Bloomsbury.

Mamman, J.C., & George, S. (2019). Perceived parental attachment and identity processing style among adolescents. In Mamman, J.C, Vithya, V., Neethu, P.S., & Paneer, S. (Eds.), Health and well-being in a multi sectoral perspective: Recent trends challenges and opportunities. New Delhi: Bloomsbury.

Mamman, J.C., Vithya, V., Neethu, P.S., & Paneer, S. (2019). Relevance of multi sectoral perspective in health and well-being. In Mamman, J.C, Vithya, V., Neethu, P.S., & Paneer, S. (Eds.), Health and well-being in a multi sectoral perspective: Recent trends challenges and opportunities. New Delhi: Bloomsbury.

Udhaya Kumar, P., Vithya, V & Srinivasan, P. (2019). Emotional Intelligence of Rural Undergraduate Students, IAHRW International Journal of Social Sciences Review. 7(2):206-208

Karunanidhi, S., Sasikala, S., & Vithya, V. (2019). Influence of Certain Socio-Demographic Factors on Psychological Well-Being of Adolescent Students, Health and Wellbeing in a Multi-Sectoral Perspective; Recent Trends, Challenges and Opportunities, Bloomsberry: New Delhi.

2018

Mamman, J.C. & Anitta, E. (2018). Self-Compassion and Emotional Intelligence of Nursing Students, International Journal of Social Science Review, 9(13):1465-1468.

Mamman, J.C. & Fincy, M.P. (2018). Body Image and Sexual Quality of Life among Diabetic and Non-Diabetic Married Women, Asian Journal of Psychology & Education, 51(7-8).

Mamman, J.C. & Savitha, K. V. (2018). Marital Adjustment and Quality of Life among Nurses. International Journal of Advanced Scientific Research and Management, 4(5):297-301.

2017

Mamman, J.C., Buela, S., & Rajalakshmi, V.R. (2017). Work motivation and Organisational commitment of college teachers, Splint International Journal of Professionals, 1(4): 67-73.

Sowmya, S., Vithya, V & Deviga, S. (2017). A qualitative study on challenges faced by female first generation learners and their coping mechanisms, Knowledge Economy- Journal of Social Sciences, 7 (14). (IF: 3.16)



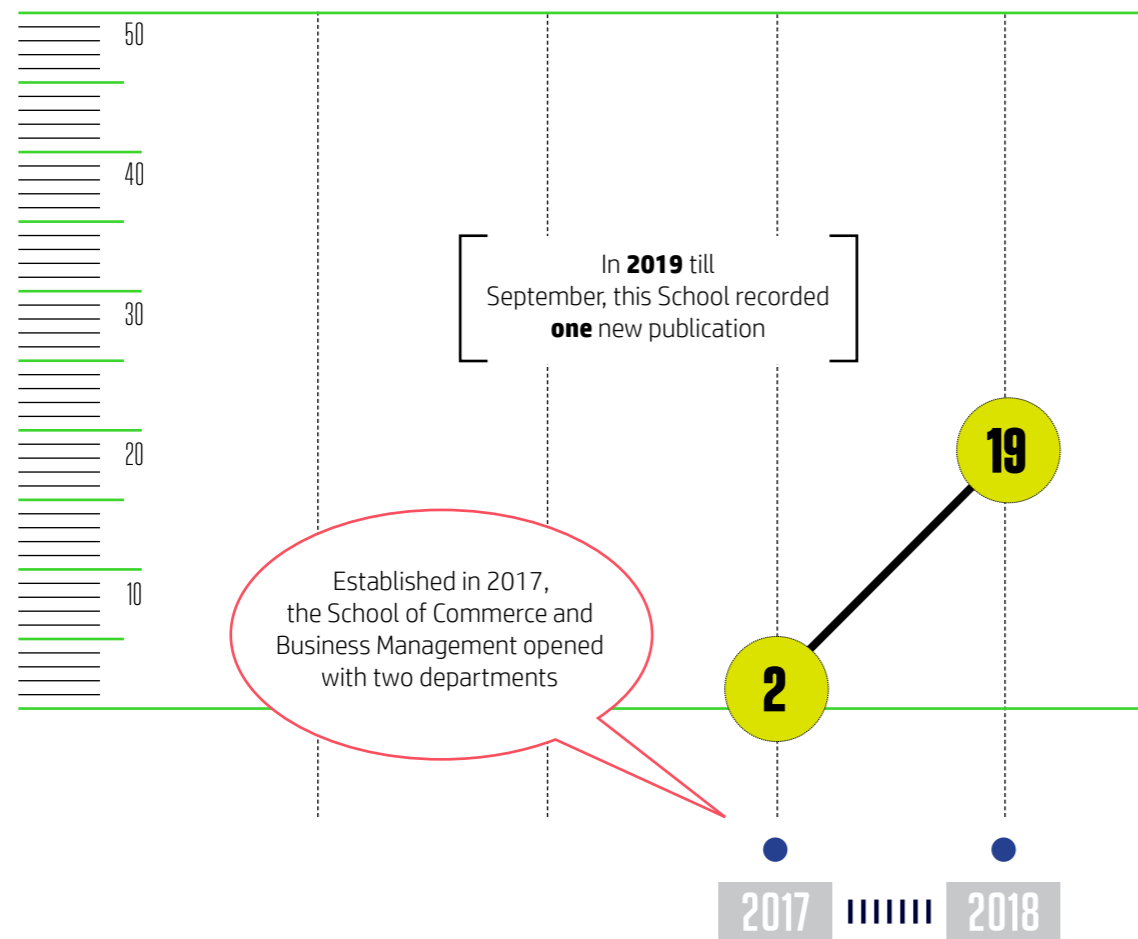
SCHOOL OF COMMERCE AND BUSINESS MANAGEMENT

22 IN 3 YEARS*

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TOTAL PUBLICATIONS



DEPARTMENT OF COMMERCE

2019

Thakur, A & Madathil, J. C. (2019). Future Prospects and Challenges of Digital Banking: A Critical Evaluation of Rural Business in India, *Ajanta*, 8 (1): 41.

2018

Velmurugan, P.S. (2018). Analysis of Corporate Governance Issues arising out of Related-Party Transactions with Special Reference to NSE 200 companies, *Journal of Management & Entrepreneurship*, 12(1):1-25.

Kanaka Raju, K. (2018). Word of Mouth and Personality of Individual via Social Media, *Zenith International Journal of Multidisciplinary Research*, 8(2):150-160.

Visalakshi, N. & Kanaka Raju, K. (2018). Role of Real Estate (Regulation and Development) Act 2016 in Promotion of Growth of Real Estate Sector, *International Journal of Research in Commerce, Economics and Management*, 8(3):1-6.

Venkata Rao, M. & Kanaka Raju, K. (2018). Capacity Building for Sustainable Growth, *International Journal of Business and Management Invention (IJBMI)* 7(4):1-3.

Venkata Rao, M. & Kanaka Raju, K. (2018). Critical Analysis of the Cashless Management Models in Cash less Economy, *International Journal for Research in Engineering Application and Management (IJREM)*, 3(10):47-54.

Venkata Rao, M. & Kanaka Raju, K. (2018). Digital India-Empowered Society and Knowledge Economy, *International Journal for Research in Engineering Application and Management*, 3(12):167-174.

Kanaka Raju, K. (2018). Prediction of Tourist Arrivals to India-Government Initiatives-Trends and Drivers, *Jamshedpur Research Review*, 6(1):20-28.

Kanaka Raju, K. (2018). An Overview of the Derivatives, *The Management Accountant*, 53 (4):60-64.

Kanaka Raju, K. (2018). Green Accounting Practices, *Indian Journal of Accounting*, 50(1):59-68.

Kanaka Raju, K. & Nalini. (2018). Performance of Small and Mid Cap Mutual Funds in India, *Gitam Journal of Management*, 16(2):100-114.

Rameshkumar, S. & Vikraman, A. (2018). Determinants of Preference of Milk and Milk Products – The Case of Rural and Urban Areas in Kanchipuram District of Tamilnadu, *The Indian Journal of Marketing*, 48 (2):52-65.

Thakur, A. & Jasrai, L. (2018). A Logit Model to Predict Innovativeness Among Mobile Telecom Service Users, *Global Business Review (Sage)*, 19(3):565-582.

Thakur, A. & Kohli, S. (2018). E-WoM as a Key Player in

Consumer Purchase Decision Making: A Critical Review, *IJRECE*, 6(2): 549-51.

2017

Visalakshi, N. & Kanaka Raju, K. (2017). Optimum Utilization of Inflows of Foreign Direct Investment for Growth of Indian Economy, *International Journal of Current Advanced Research*, 6 (11): 2341-2344.

Visalakshi, N. & Kanaka Raju, K. (2017). An Overview of GST, *International Journal of Business and Management Innovation (IJBMI)*, 6(12):30-43.

BOOK PUBLISHED / EDITED

Velmurugan, P.S. (2019). *Advances in International Taxation and Transfer Pricing*, G.K. Publisher (DAKSHIN), Chennai.

Velmurugan, P.S. (2018). *International Taxation and Transfer Pricing*, G.K. Publisher (DAKSHIN), Chennai.

Kanaka Raju, K. (2018). *Paradigm Shifts in Commerce and Management -2018 in Congruence with Block Chain Accounting*, Paramount Publishing House, Hyderabad and New Delhi.

CHAPTER IN BOOK

Gagana, D.S., Johnson, C.M., Ashitha, T., & Velmurugan, P.S. (2019). Overview of International Taxation and Transfer Pricing, *Advances in International Taxation and Transfer Pricing*, p 1-10.

Rinku, Champramary, Perumalraj, R., & Velmurugan, P.S. (2018). MNE's profit shifting strategy through transfer pricing mechanism and the relevance of Arm's Length Price. *International Taxation and Transfer Pricing*, p 318-341.

Kishore Babu, N., & Kanaka Raju, K. (2018). Advantages and Problems of the Block Chain Accounting, *Paradigm Shifts in Commerce and Management - 2018 in Congruence with Block Chain Accounting*. Paramount Publisher, New Delhi and Hyderabad, p 1-4.

Kanaka Raju, K. (2018). Governance of the Block Chain Accounting, *Paradigm Shifts in Commerce and Management - 2018 in Congruence with Block Chain Accounting*, Paramount Publisher, New Delhi and Hyderabad, p5-7.

Kanaka Raju, K. & Muhammed Safwan, K. K. (2018). Application of Block Chain Accounting, *Paradigm Shifts in Commerce and Management - 2018 in Congruence with Block Chain Accounting*, Paramount Publisher, New Delhi and Hyderabad, p 8-11.

Ramakrishna, P. & Kanaka Raju, K. (2018). Harmonization of Accounting Standards Paradigm Shifts in



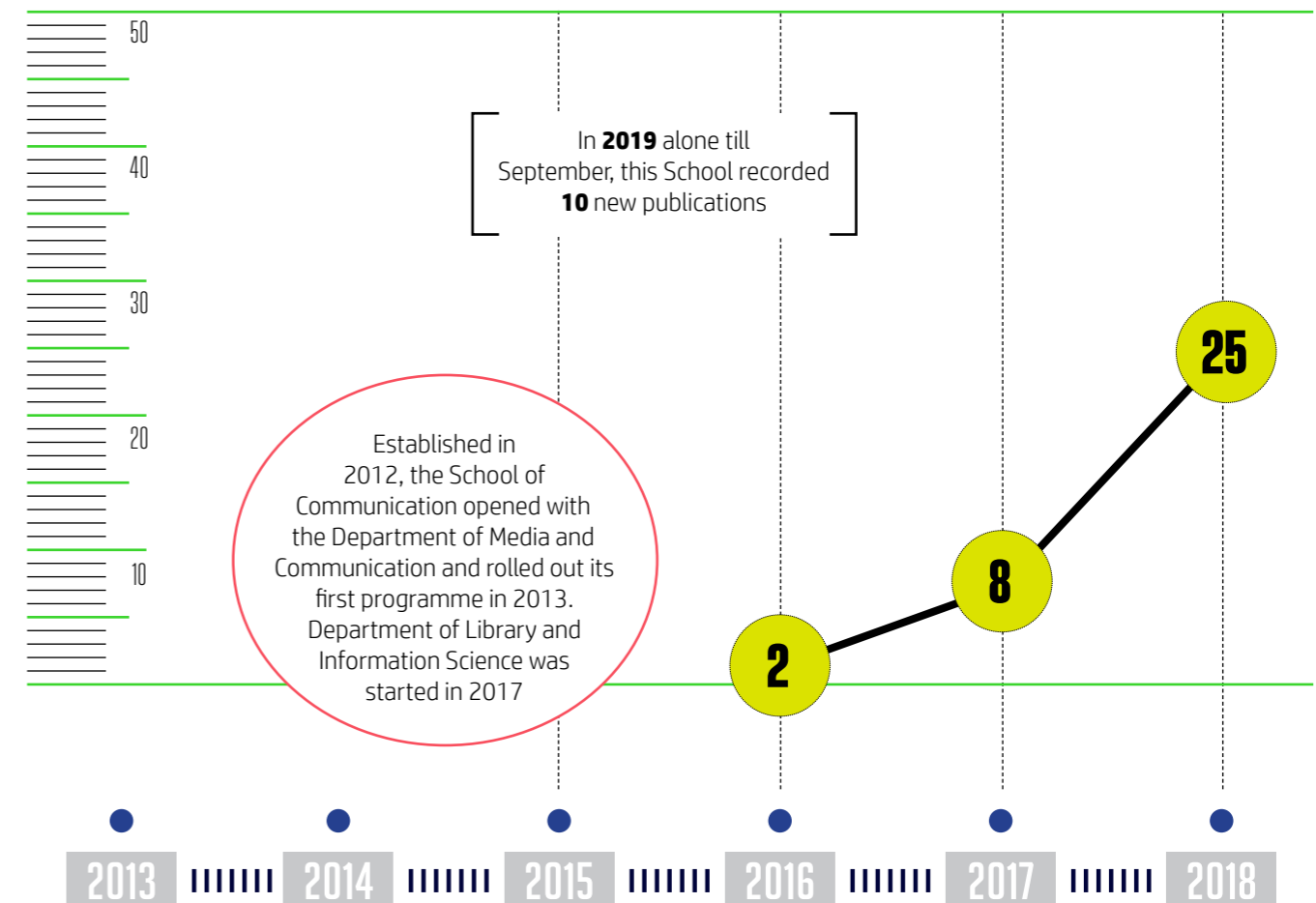
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* Till September 2019

TOTAL PUBLICATIONS



Commerce and Management - 2018 in Congruence with Block Chain Accounting, Paramount Publisher, New Delhi and Hyderabad, p218-222.

Kanaka Raju, K. (2018). Demonetization for Sustainable Development, Demonetization in India, Excel India Publishers, p202-206.

Kanaka Raju, K. (2018). Impact of Fiscal and Monetary Policy –With Reference to Indian Economy, India, Recent Trends in Banking and Financial Services, Shree Publishing House, Guntur, Andhra Pradesh, p256-261.

Kanaka Raju, K. (2018): Behavioral Attitude of Investors, Emerging Trends in Commerce, Business Management and IT and Tourism, Vaagdevi Publishers, New Delhi and Hyderabad, p118-122.

DEPARTMENT OF MANAGEMENT

2018

Sudha, G. (2018) "Union Budget 2017-18: An Analysis", Shanlax International Journal of Commerce, Vol. no 6, pp 1-5.

Sudha, G. (2018) "Impact of Psychological Variables on Organizational Commitment", Shanlax International Journal of Management, Vol.no 6, pp 121-129.

Ashokkumar, J. (2018) "Union Budget 2017-18: An Analysis", Shanlax International Journal of Commerce, Vol.no 6, pp 1-5.

Ashokkumar, J. (2018) "Human Dimensions in Green Marketing as a Tool for CSR", Shanlax International Journal of Management, Vol.no 5, pp 170-178.

Preeti, R Gotmare. (2018) "Impact and effect of demonetization in India on Indian Economy and banks", International Journal of Innovation and Engineering Research & Management, Vol.no 5, pp 1-4.

Preeti, R Gotmare. (2018) "An Empirical Analysis of Development of Higher Education Institutions in India", Accent Journal of Economics Ecology & Engineering, Vol no.03 pp 1-4.



DEPARTMENT OF MEDIA AND COMMUNICATION

2019

- Boobalal Krishnan, N., Jayaseelan, R., & Malini Srinivasan (2019). Developing a Scale to Measure Students' Social Media Attitude and their Academic Performance. *ICTACT Journal on Management Studies*, 5(1):904-911.
- Boobalal Krishnan, N., Jayaseelan, R., & Malini Srinivasan (2019). Social media and Students attitude: A study of Accessibility, Addictiveness, Exposure and Communication among College students in Coimbatore, Tamil Nadu, Mass Communicator. *International Journal of Communication Studies*, 13(2): 32-38.
- Boobalal Krishnan, N., Malini Srinivasan & Aleena Joseph (2019). A Study Among Vernacular and National Newspapers on Reporting Crime News. *Asian journal of Multidimensional Research*, 8(1): 195-208.
- Chacko, Amala T., and Francis P. Barclay. (2019). SEM Analysis of Gender Stereotyping Using Social Identity and Facebook Usage. *Journal of Media and Communication*, 3(1): 29-54.
- Francis P. Barclay. (2019). Using Cross-correlations to Analyse Inter-media Political Agenda Setting, *SAGE Research Methods Cases: Politics & International Relations*.
- Nagarajan Sivakami, P. Na. Kanchana, and Francis P. Barclay. (2019). Social Constructs of Surrogacy: The Indian Perspective. *Health, Safety and Well-Being of Workers in the Informal Sector in India: Lessons for Emerging Economies*. Editors, Sigamani Panneer, Sanghmitra S. Acharya and Nagarajan Sivakami, Springer, Singapore. Online ISBN 978-981-13-8421-9; Print ISBN 978-981-13-

SCHOOL OF COMMUNICATION

8420-2. <https://doi.org/10.1007/978-981-13-8421-9>. Pages 187-196.

- Shamala R., Devadas M. B., Francis P. Barclay. (2019). Glocalised-television content: Interaction with local cultures and impact on audience perceptions. *World of Media: Journal of Russian Media and Journalism Studies*, 1(1): 33-50. Lomonosov Moscow State University and National Association of Mass Media Researchers, Russia, 2307-1605.
- Shamala, R., Francis P. Barclay, Raveena, M., & Prakash (2019). Me too# campaign and a collective catharsis: A study on effects of me too campaign on social media. *Asian Journal of Multimedia Research*, 8(1): 356-365.
- Vishnu Achutha Menon, & Boobalal Krishnan, N (2019). Gender Performativity in Kathakali. *OmniScience: A Multi-disciplinary Journal (OSMJ)*, 9(1):29-33.

2018

- Anju M. U., & Francis P. Barclay. (2018). Text or Video? Moderators influencing the Choice of Online Educational Material. *Journal of Media and Communication*, 2(1):17-43.
- Boobalal Krishnan, N., & Malini Srinivasan. (2018) Television and Child Development: Positive Effects. *Journal of Media and Communication*, 2 (1): 1-16
- Boobalal Krishnan, N., Swetha Pramod (2018). A Content Analysis of Blue Whale Challenge Issue Reported in News Websites. *The Indian National Journal of English Language and Literature*, 6(21):342-346.
- Chacko, Amala T., & Nikhil Kumar Gouda. (2018). Role of Communication in Addressing Myths and Prejudices Surrounding Menstrual Hygiene: A Male Perspective. *Journal of Media and Communication*, 2(1): 50-63.
- Chacko A. & Nikhil K. Gouda. (2018). Coverage of Tamil Nadu Farmers' Protest of 2017 Held in New Delhi by the Times of India—The Largest Circulated English Daily of India. *The Indian National Journal of English Language and Literature*, 6(21): 295-298.
- Chacko A. & Nikhil K. Gouda. (2018). Representation of caste in Indian cinema: A comparative study of Marathi movie Sairat and its Hindi remake Dhadak. (pp. 115) 2018. New Delhi: Kanishka Publishers.
- Deivasree, A., Shamala, R., & Devdas, M.B. (2018). Effectiveness of Interpersonal Communication between Physicians and Patients. *Mediascape in 21st Century*, 1:255-258. New Delhi: Kanishka Publishers.
- Joseph, Neethu, & Francis P. Barclay. (2018). Media Framing: A Comparative Newspaper Analysis

of Kashmir Conflict 2016. *Journal of Media and Communication*, 2(2):01-24.

- Kiran, N., & Shamala, R. (2018). Media Credibility: A Triangulation Test. *The Indian National Journal of English Language and Literature*, 6(21): 233-236
- Nair, Parvathy S., & Francis P. Barclay. (2018). Gender Classification with Twitter Usage Patterns. *The Indian National Journal of English Language and Literature*, 6(21): 266-268.
- Panicker, Divya M., & Francis P. Barclay. (2018). GST: A Time-series Analysis of Newspaper Articles on the New Indirect Taxation System. *The Indian National Journal of English Language and Literature*, 6(21): 304-306.
- Parameswaran. K., shamala, R., & Devadas, M.B. (2018). Women in Radio: A study of Gender Friendliness. (pp 54-59). New Delhi: Anne books.
- Patnaik, Sudhir & Nikhil K. Gouda. (2018). Themes in Controversial Movies of Deepa Mehta's Elements Trilogy- Fire, Earth and Water: Writers Choice, New Delhi: (Accepted for publication).
- Srinivasan, Malini & Francis P Barclay. (2018). Media, Message and Source Credibility: An Experimental Analysis of Interdependencies, Nationalism, Ethnicity and Media Ethics, Ambrish Saxena (Ed.), (pp.233-247), New Delhi: Kanishka Publishers.
- Vetrivel, Naveen & Francis P Barclay. (2018). Media Framing of Political Conflicts: A Case Study of India-Sri Lanka Fishermen Issue. *Mediascape in 21st Century*, 2: (pp.394-404) New Delhi: Kanishka Publishers.
- Vetrivel, Naveen & Francis P Barclay. (2018). Fishing in Troubled Waters: Media Framing of the India-Sri Lankan Fishermen Issue. *Nationalism, Ethnicity and Media Ethics*, Ambrish Saxena (Ed.), (pp.127-143), New Delhi: Kanishka Publishers.

2017

- Barclay, Francis P. (2017). Media effect on media: Progression of political news and tweets during India 2014. *Journal of Media and Communication*, 1(1): 1-28.
- Ganesh Sethi & Nikhil Kumar Gouda. (2017). Underrepresentation of Dalits in Indian News Media and Ambedkar: A Literature Review. Published as a chapter in a book, Babasaheb Dr B.R. Ambedkar and Social Democracy Tenepalli Hari & Samuel Tharu (Eds.). (1st Ed. pp. 367-374) New Delhi.
- John, Anju, & Francis P. Barclay. (2017). ICT Usage and Effects among Rural Farming Communities. *Journal of Media and Communication*, 1(1): 1-28.
- Nair, Parvathy S. & Francis P. Barclay. (2017). Twitter Usage Patterns as a Predictor of User Gender. *Journal of Media and Communication*, 1(2):1-23.
- Shamala R. (2017). Television for Social Change: A Case Study of Thiruvavur Women. *Journal of Media and*

Communication, 1(2): 35-55.

- Shamala R. (2017). Impact of Mass Mediated Sports Heroes on Life Style and Product Purchase Behavior among Youth. *International Journal of Humanities and Social Science Invention*. 6(1):27-33.
- Srinivasan, Malini and Francis P. Barclay. (2017). Media Credibility: A Triangulation Test. *Journal of Content, Community & Communication*, 6(3), 43-49.

2016

- Barclay, Francis P., Pichandy, C. (2016). PM Modi: Media effect on performance rating. *Social Studies*, 1(98): 42432-42438.
- Mahapatra, Prasant & Nikhil K. Gouda (2016). Usage of Tribal Dialects in Development Communication in Undivided Koraput District of Orissa published in *International Journal of Tribal Literature and Cultural Studies*, 2 (1): 110-123.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

2019

- Ravi, S. (2019). Outreach Techniques in the Promotion of Library Information Services and Resources: A Study among Library and Information Science Professionals, *International Journal of Human Resource Management and Research*, 9(2):11-22.

2018

- Murali, T. (2018). Information Literacy Models for Libraries, *IALA Journal* 2018, 6(425):175-185.
- Ravi, S. (2018). Challenges in Skill Development among Library and Information Science Professionals, *International Journal of Research in Library Science*, 4(2): 27-39.
- Ravi, S. (2018). Mind Set on Use of Open Access Journals: A Study, *International Journal of Communication and Media Studies*, 8(5): 41-54.
- Ravi, S. (2018). Skill Capability among LIS Professionals in Developing Districts of Tamil Nadu: A Study, *International Journal of Library Science and Research*, 8(3):1-12.
- Sudhler, K.G. (2018). Collaborative Authorship in Scholarly Indian Publications in Biochemistry: A Study based on the Web of Science. *ILIS Journal of*



Librarianship and Informatics, 1(1).
 Sudhier, K.G. (2018). Attitude to PIM behavior of Research Scholars at the University of Kerala, KLA Journal of Information Science & Technology, 1(1):14-23.
 Sudhier, K.G. (2018). Library Professionals Adoption of cloud Computing Technologies: A Case Study on Kerala University Library, India, Library Philosophy and Practice.
 Sudhier, K.G. (2018). Scholarly Journal Usage of Researchers of CSIR-National Institute for Interdisciplinary Science and Technology (NIIST): A Scientometric Study. IJLIS Journal of Librarianship and Informatics, 2:115-131.
 Sudhier, K.G. (2018). Scientometrics of Information Science and Scientometrics research in India as reflected through Indian Science Abstracts during 2011-2015. IASLIC Bulletin, 63(3): 131-142.

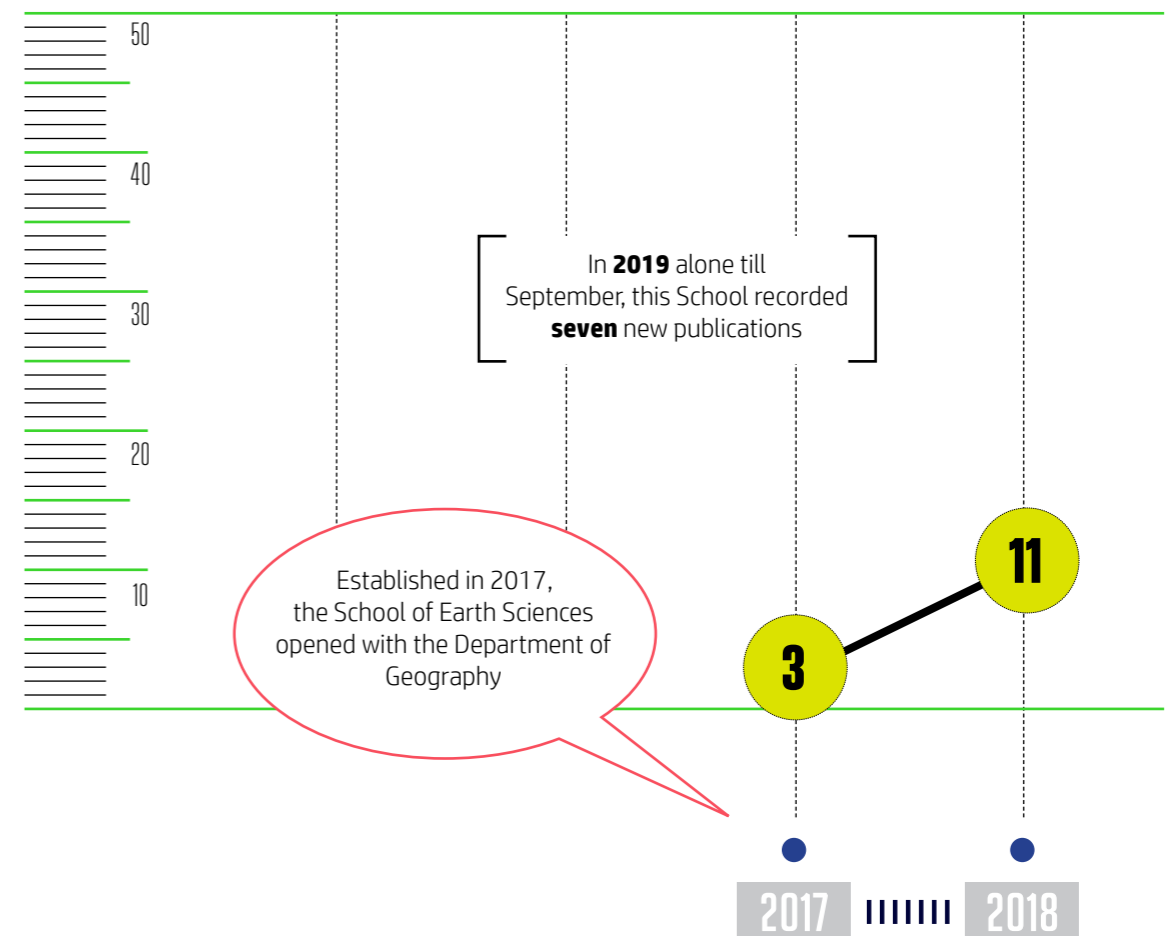
2017

1. Ravi, S. (2017). Institutional Repositories in Education: A Global Perspective, Journal of Advances in Library and Information Science, 6(3):283-287.

SCHOOL OF EARTH SCIENCES

18 IN 3 YEARS*
 CUTN's School of Earth Sciences has, so far, published as many as **18** papers in UGC-listed and other international peer-reviewed journals. It houses the Department of Geography
 * Till September 2019

TOTAL PUBLICATIONS





DEPARTMENT OF GEOGRAPHY

2019

- Annaiadasan, K., & Narmada, K., (2019). Analysis of the Pattern of Rainfall Erosivity in Suruli River Basin of Cumbam valley using Modified Fournier Index. *International Journal of Interdisciplinary Research and Innovations*, 7(1): 153-159.
- Narmada, K., & Annaiadasan, K. (2019). Estimation of the Temporal Change in Carbon Stock of Muthupet Mangroves in Tamil Nadu Using Remote Sensing Techniques. *Journal of Geography, Environment and Earth Science International*. 19(4):1-7 (IF: 1.265)
- Nivedita Priyadarshini, K., Sivashankari, V., & Sulochana Shekhar. (2019). An Assessment of Land Cover Change Dynamics of GAJA Cyclone in Coastal Tamil Nadu, India using Sentinel 1 SAR Dataset. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Volume XLII-3/W8, 2019 Gi4DM 2019 – GeoInformation for Disaster Management, 3–6 September 2019, Prague, Czech Republic. (The Archive is listed in the ISI Conference Proceedings Citation Index (CPCI) of the Web of Science, SCOPUS, the E/I Compendex, and the Directory of Open Access Journals (DOAJ))
- Prasad, K.A., Ottinger, M., Wei, C., & Leinenkugel, P. (2019). Assessment of Coastal Aquaculture for India from Sentinel-1 SAR Time Series. *Remote Sensing*. 11(3): 357. (IF: 4.118)
- Ramkumar, M., Santosh, M., Abdulrahman, S., Balasundareswaran, A., & Balasubramani, K., et al. (2019). Tectono-morphological evolution of the Cauvery, Vaigai and Thamirabarani river basins: Implications on timing, stratigraphic markers, relative roles of intrinsic and extrinsic factors and transience of southern Indian landscape. *Geological Journal*. (IF: 1.949)
- Sulochana Shekhar & Jagannath Aryal. (2019). Role of

SCHOOL OF EARTH SCIENCES

Geospatial Technology in Understanding Urban Green Space of Kalaburagi City for Sustainable Planning. *Urban Forestry & Urban Greening*. 46: 126450. (IF: 3.04)

Sulochana Shekhar (2019). Effective Management of Slums - Case Study of Kalaburagi City, Karnataka, India. *Journal of Urban Management*. (Available online 18 September 2019).

2018

Bala Sundareswaran, A., Abdul Rahaman, S., Balasubramani, K., Kumaraswamy, K. & Ramkumar, M. (2018). Habitat risk assessment along coastal Tamil Nadu, India—An integrated methodology for mitigating coastal hazards. Ramkumar, Mu., Arthur James, R., David Menier & Kumaraswamy, K. (Eds.) *Coastal Zone Management: Global Perspectives, Regional Processes, Local Issues* (pp. 515-542) Elsevier, Amsterdam.

Balasubramani, K. (2018). Physical Resources Assessment in a Semi-arid Watershed: An Integrated Methodology for Sustainable Land use Planning. *ISPRS Journal of Photogrammetry and Remote Sensing*, 142: 358-379. (IF: 6.942)

Deepak Kumar, Tavishi Tewary, Sulochana Shekhar. (2018). Enhanced Adaptive Technique for Surface Temperature Variability Analysis, *Iranian Journal of Science and Technology, Transactions A: Science*. (IF: 0.692)

Gomathi, M., Pavithra, V., Balasubramani, K., & Kumaraswamy, K. (2018). A Spatial Analysis of Crop-land Suitability for Sustainable Agricultural Development in Aiyar Basin, Tamil Nadu. *Journal of Geography, Environment and Earth Science International*, 9.0 (1): 1-12.

Gomathi, M., Balasubramani, K., & Kumaraswamy, K. et al. (2018). Spatio-temporal analysis of groundwater level in Aiyar Basin, Central Tamil Nadu. Kumaraswamy (Eds.) *In Sustainable Development of Natural Resources* (pp. 168-180) RK Books, New Delhi.

Kumaraswamy, K., Balasubramani, K., Jegan kumar, R. & Masilamani, P. (Eds.) (2018). *Sustainable Development of Natural Resources*. RK Books, New Delhi.

Mehanaz Fathima J., Balasubramani, K., & Kumaraswamy, K. (2018). Estimation of Soil Moisture using Multi-Polarisation Risat-1 Data: A Case Study of Kongu Uplands, Tamil Nadu, India. *Indian Journal of Spatial Science*, 9.0(1): 1-5.

Nitheshnirmal, S., Rahaman, S. A., Balasundareswaran, A., Nivedita Priyadarshini, K., Balasubramani, K., & Kumaraswamy, K. (2018). Spatio-temporal anal-

ysis of natural human habitability environment along the coastal taluks of Tamil Nadu, India. *ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci.*, IV(5) : 439-446. (IF: 6.942)

Ramkumar, M., David, M., Kumaraswamy, K., Santosh, M., Balasubramani, K., & James, R.A. (2018). Interlinking of rivers as a strategy to mitigate coeval floods and droughts: India in focus with perspectives on coastal zone management. Ramkumar, Mu., Arthur James, R., David Menier & Kumaraswamy, K. (Eds.) *Coastal Zone Management: Global Perspectives, Regional Processes, Local Issues* (pp. 431-465) Elsevier, Amsterdam.

Ramkumar, M., Kumaraswamy, & K., Balasubramani, K. et al. (2018). Discovery of buried historical structures in the Kaveri-Kollidam interfluvium, South India. *Archaeological Prospection*, 1–16. (IF: 1.500)

Singh, R.B., & Grover, A. (2018). Air pollution and human health risk reduction: The case study of Delhi megacity, India, In Beer, T. (Ed.), *Global change and future earth*, Cambridge University Press, UK.

2017

Rahaman, S. A., Aruchamy, S., Balasubramani, K., & Jegankumar, R. (2017). Land use/land cover changes in semi-arid mountain landscape in southern India: A geoinformatics based markov chain approach, *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XLII-1/W1: 231-237.

Kedari T. B., Balasubramani, K., & Gomathi, M., (2017). Comparative Analysis of CARTOSAT, ASTER and SRTM Digital Elevation Models of Different Terrains for Extraction of Watershed Parameters. *The Konkan Geographer*, 17 : 143-152.

Venkatesham E., & Balamani K. (2017). Digital Plan: A Better Decision Support System. *Journal of Spatial Science*. (IF: 1.711)

Other Publications in 2019 (Conference proceedings and Book Chapters)

- Nivedita Priyadarshini, K., Sivashankari, V., Sulochana Shekhar, & Balasubramani, K., (2019). Assessment on the Potential of Multispectral and Hyperspectral Datasets for Land use / Land Cover Classification, (doi:10.3390/IECG2019-06211) Published: 05 June 2019 by MDPI AG in 2nd International Electronic Conference on Geosciences session Earth Sciences through Earth Observation, Proceedings 2019 Volume 24, Issue 1, 12.
- Nivedita Priyadarshini, K., Sivashankari, V., Sulochana Shekhar., & Balasubramani, K. (2019). Comparison and Evaluation of Dimensionality Reduction Techniques for Hyperspectral Data Analysis. (doi:10.3390/IECG2019-06209) Published: 05 June 2019 by MDPI AG in 2nd International Electronic

- Conference on Geosciences session Earth Sciences through Earth Observation, Proceedings 2019 Volume 24, Issue 1, 6.
- Sivashankari, V., Amit Kumar Dubey., Nivedita Priyadarshini, K., & Sulochana Shekhar. (2019). Integrated Hydrological Modelling Over Upstream Catchments of Himalayan Rivers and Assessment of Extreme Hydrological Events. (doi:10.3390/IECG2019-06210) Published: 05 June 2019 by MDPI AG in 2nd International Electronic Conference on Geosciences session Tracers in Hydrogeology, Proceedings 2019 Volume 24, Issue 1, 13.
- Sulochana Shekhar. (2019). Application of Geoinformatics in Analysing Road Accidents. Chapter 2, *Public Health Relevance of Road Traffic Injury in India*, by P Sigamani, J Raja Meenakshi, NU Khan, pages 7-18, Published by Bloomsbury India, ISBN 9789389000627.



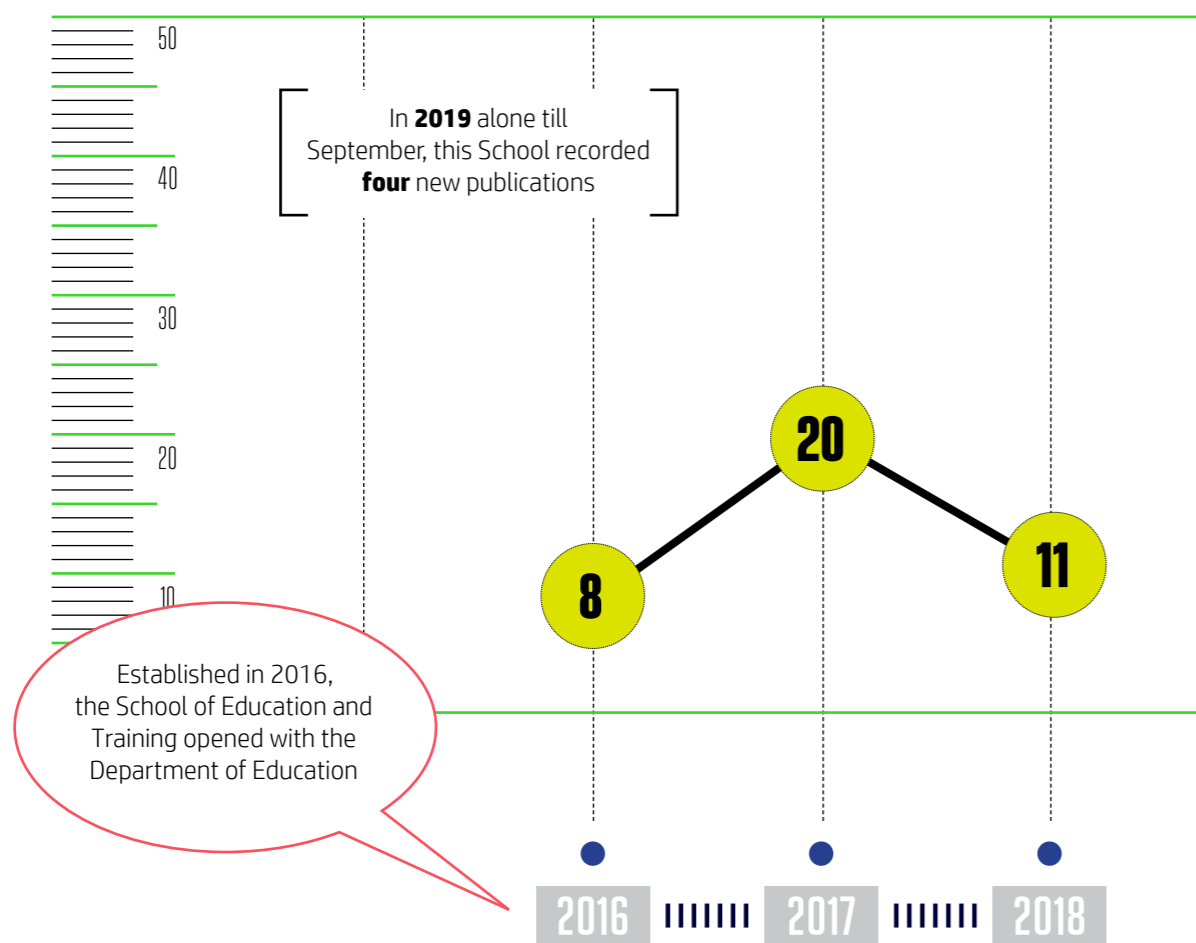
SCHOOL OF EDUCATION AND TRAINING

43 IN 4 YEARS*

CUTN's School of Education and Training has, so far, published as many as **43** papers in UGC-listed and other international peer-reviewed journals. It houses the Department of Education

** Till September 2019*

TOTAL PUBLICATIONS



DEPARTMENT OF EDUCATION

2019

Karpaga Kumaravel, R. (2019). Total Quality Management in Arts and Science Colleges of Tiruchirappalli District; Students' perspective. *Review of Research Journal*, 8(6)

Karpaga Kumaravel, R. (2019). Towards Quality Assurance in Indian E-Learning. *Review of Research Journal*, 8(8)

Karpaga Kumaravel, R. (2019). Attitude towards ICT in teaching among the Student - Teachers. *International Journal of Research and Analytical Reviews (IJRAR)*, 6(1)

Murugesan Kaliyaperumal and Srinivasan Padmanaban. (2019). A Full Circle Appraisal on Emotional Intelligence. *American journal of educational research*. 7(1), 49-57. doi: 10.12691/education-7-1-8. ISSN (Online): 2327-6150

2018

Karpaga Kumaravel, R. (2018). ICT knowledge among the First generation Learners in Higher Education. *Review of Research Journal*, 7(12)

Karpaga Kumaravel, R. (2018). A Naturalistic Inquiry into the Training Needs of Teacher Educators in E-Learning Skills. *Review of Research Journal*, 7(11).

Pugazhendhi, P and Srinivasan, P. (2018). Impact of Teaching Efficiency through Emotional Intelligence on the Performance of B.Ed. Teacher Trainees. *Global Journal of Research Analysis*. 7 (2), 396-397, ISSN: 2277-8160,

Pugazhendhi, P and Srinivasan, P. (2018). Effectiveness of Emotional Intelligence Strategies on the Teaching Effectiveness in B.Ed. Student Teachers. *Indian Journal of Applied Research*. 8(2), 338-339, ISSN:2249-555X

ChittaranjanSubudhi, Srinivasan, P, BhanumatiMahopatra. (2018). Mental Health Literacy among University Students. *American Journal of Educational Research*. 6 (4), 365-369, , ISSN (Online): 2327-6150, DOI:10.12691/education6-4-11, Impact Factor: 2.157

Manimozhi, G., & Srinivasan, P. (May, 2018). A Meta Synthesis of Content Analysis Approaches. *American Journal of Educational Research*. 6 (6), 365-369, , ISSN (Online): 2327-6150, DOI:10.12691/education-6-6-8, Impact Factor: 2.157

Suresh, K. & Srinivasan, P. (June, 2018). A Study of Teacher's Intelligence and Emotional Intelligence on Students' Mental Health among Higher Secondary School of Thanjavur District. *American*

Journal of Educational Research. 6(6), 869-876. doi: 10.12691/education-6-6-41. ISSN (Online): 2327-6150

Manimozhi, G. and Srinivasan, P. (August, 2018). Emotional Intelligence and Academic Achievement: A Meta-Analysis. *American Journal of Educational Research*. 6(7), 1051-1055. doi: 10.12691/education-6-7-25, ISSN (Online): 2327-6150

Manimozhi, G. and Srinivasan, P. (August, 2018). Meta Analysis of Teaching Effectiveness. *International Journal of Educational Research and Information Science*. 5(3), 2018, 21-25

Elavarasi, D. and Poornima, R. (2018) Attitude of B.Ed. student teachers towards internet :Implications for teacher education, in *International Conference Monograph - Innovative Strategies to enhance the quality of teacher education in digital era*, Pp. 553-57, ISBN No. 9789350015704

Poornima, R. and Athira, B.K. (2018). Perception of Special Educational Needs (SEN) teachers on the availability of infrastructural facilities in the special education schools. *Asian Journal of Multidimensional Research*, 7(2):609-620, ISSN: 2278-4853.

2017

Karpaga Kumaravel, R. (2017). Distance Education: Opportunities and Challenges. *Research Demagogue Santhinikethan*, 3(1). ISSN 2350-1081

Karpaga Kumaravel, R. (2017). Assisted Learning Support System of Distance Learning. *Review of Research Journal*, 6(9).

Karpaga Kumaravel, R. (2017). e-Access for Home Learning – A Learner Survey. *Shanlax International Journal of Education*, 6(1).

Karpaga Kumaravel, R. (2017). Open and Distance Learning: Techno-Pedagogical Perspectives and Prospects. *Shanlax International Journal of Education*, 5(4).

Karpaga Kumaravel, R. (2017). Curriculum Development-Self Instructional Materials. *SASTRA University*.

Karpaga Kumaravel, R. (2017). Digital Culture-A Conceptual Perspective, *Shanlax International Journal of Education*, 4(2).

Karpaga Kumaravel, R. (2017). Humane and Reflective Teacher. *Bharti Publications, New Delhi*, pp.149-155

Srinivasan, P. & Pugazhendhi, P. (2017). Impact of teaching efficiency through emotional intelligence on the performance of B.Ed. teacher trainees. *Sri Bharathi Journal of Educational Research*. 1(2), 5-8

Srinivasan, P. & Sivanandham, R. (2017). Effect of social



- emotional learning on creativity of VIII standard pupils of thanjavur district. *EPRA Journal of Research and Development*. 2 (2), 9-14
- Suresh, K. and Srinivasan, P. (July, 2017). A Study on Intelligence of Higher Secondary School Teachers of Thanjavur District. *International Journal of Advanced Educational Research*. 2(4), 34-38, ISSN: 2455-6157
- Suresh, K. and Srinivasan, P. (August, 2017). Emotional Intelligence of Higher Secondary School Teachers in Thanjavur District. *International Journal of Pedagogical Studies*. 5(1), 8-15, ISSN: 2321-2306
- Suresh, K. and Srinivasan, P. (September, 2017). Mixed Sampling Method: An Innovative Sampling Method. *Shanlax International Journal of Education*. 5(4), 1-10, ISSN: 2320-2653
- Murugasen, K & Srinivasan, P. (2017). Standardisation of EI Scale. APH Publishing Corporation, ISBN:9789387460058
- Murugasen, K & Srinivasan, P. (2017). How to Construct Ei360o Tool. APH Publishing Corporation, ISBN: 9789387460034
- Elavarasi, D. and Poornima, R. (2017) Computer anxiety and computer self-efficacy of Pre-School Teachers : Implications for Teacher Education, in National Conference Monograph - New Trends in Teacher Education: Pedagogical, Didactical, Curriculum Design and Technological Innovations, Pp. 27-32, ISBN No. 9789352681518.
- Poornima, R. (2017) Teacher preparation programs for inclusive education: a review of models and approaches In S.H. Basha and M.K. Naseerali (Ed.) *Inclusive Education: Policies and Practices* (p. 169 -95), New Delhi Publishers, New Delhi, ISBN No.:9789385503535.
- Biju, K (2017). Integrating PhET tools in Constructivist Physics Teaching Learning, *Journal of Educational Technology*, Vol.13, No.4, January-March 2017, pp 50-54 (ISSN-0973-0559, e-ISSN- 2230-7125)
- Prasanna, P & Ramani, P (2017). Employing Multimedia to Enhance Listening skill in Higher Education, (4ICMRP-2017) December-2017, pp 156-159 (ISBN: 978-93-5288-448-3).

Prasanna, P & Ramani, P (2017). Enhancing Speaking Skills through Efficacy of Multimedia in Tertiary Education, (4ICMRP-2017) December-2017, pp 166-169 (ISBN: 978-93-5288-448-3).

Sunil, K (2017). Chapter on Analysis of Teacher Education Programme of SidhoKanhoMurmu University in the light of NCFTE- 2009 in edited book titled "Teacher Education Quality Indicators" by APH Publishing Corporation, New Delhi -02, ISBN 978-93-87460-31-7

2016

Karpaga Kumaravel, R. (2016). Educational Thoughts -Self-Instructional Materials, SASTRA University.

Karpaga Kumaravel, R. (2016). Open and Distance Learning for Sustainable Development. ICDE - TNAU.

Karpaga Kumaravel, R. (2016). Total Quality Management in Education: Prospects, Issues and Challenges. *Journal of Shanlax International Journal of Education*, 4 (2).

Karpaga Kumaravel, R. (2016). TQM: Perception of Students. *Experiments in Education*. 44(3).

Srinivasan, P. & Pugazhenth, P (2016). Effective and efficiency teaching strategies for gifted students. *Sri Bharathi Journal of Educational Research*. 1(1), 16-19

Poornima, R. (2016). Competencies perceived by the teachers with reference to inclusive education in Stavanger, Norway in the International Summit proceedings on Response to Intervention and Inclusive Education: A Global Perspective.

Sunil, K (2016). Article on "Pre-Service Secondary Level Teacher Education Programme of Jharkhand: An analysis". *ANWESHAN peer reviewed National Journal of Education*. Vol. V No. 01 JUNE.2015. ISSN. No. 22493794

Sunil, K (2016). Article on "Quality of teacher education programme in Jharkhand: An analysis with reference to NCFTE (2009)". Published in the proceeding of Conference on Quality Assurance in School Education, RIE (NCERT), Bhubaneswar, Odisha.

DEPARTMENT OF EPIDEMIOLOGY AND PUBLIC HEALTH

2019

Thankapan, S., Behera, S.K., Chopra, S., Deneke, Y., Sharma, V., Ali, S.A., Chaudhuri P., & Kumar, A. (2019). Prospective evaluation of the diagnostic potential of LipL32 based latex agglutination test for Bovine leptospirosis. *Tropical Biomedicine*. (In Press) (IF: 0.418)

2018

Krishnan, J., & Mathiarasan, L. (2018). Prevalence of disease vectors in Lakshadweep Islands during post-monsoon season. *Journal of Vector Borne Diseases*, 55(3): 189-196. (IF: 1.473)

Lekha, B., Nayar, K.R. (2018). Indignities in institutional deliveries in Kerala, India: Need for a monitoring mechanism. *Health Care Academician Journal*, 5(1): 40-46.

Bhat, L., Nayar, K.R. (2018). Taxonomy of human dignity in childbirth. *Journal of Health Systems*, III(1).

Balabaskaran Nina, P., & Desai, S.A. (2018). Diverse target gene modifications in Plasmodium falciparum using Bxb1 integrase and an intronic attB. *Parasites and Vectors*, 11(1): 548.

Gupta, A., Balabaskaran-Nina, P., Nguiragool, W., Saggi, G.S., Schureck, M.A., & Desai, S.A., (2018). CLAG3 self-associates in malaria parasites and quantitatively determines nutrient uptake channels at the host membrane. *MBio*9(3). (IF: 6.747)

Mohanty, A.K., Balabaskaran Nina, P., Ballav, S., Vernekar, S., Parkar, S., D'Souza M, Zuo, W., Gomes, E., Chery, L., Tuljapurkar, S., Valecha, N., Rathod, PK., Kumar, A (2018). Susceptibility of wild and colonized Anopheles stephensi to Plasmodium vivax infection. *Malaria Journal* 17(1): 225. (IF: 2.798)

2017

Barathan, M., Mohamed, R., Vadivelu, J., Chang, LY., Vignesh, R., Krishnan, J., Sigamani, P., Saeidi, A., Ram, MR., Velu, V., Larsson, M., & Shankar, EM. (2017). CD8+ T cells of chronic HCV-infected patients express multiple negative immune checkpoints following stimulation with HCV peptides. *Cellular Immunology*, 313: 1-9. (IF: 3.291)

Krishnan, J. (2017). Human cerebral malaria and experimental cerebral malaria in mice: Relevance and applicability. *MOJ Biology & Medicine*,

2(1):186-187.

Smilin Bell Aseervatham, G., Choi, S., & Krishnan J, K R. (2017). Cigarette smoke and related risk factors in neurological disorders: An update. *Biomedicine & Pharmacotherapy*, 85:79-86. (IF: 3.743)

2016

Shah, M., Anwar, M.A., Yesudhas, D., Krishnan, J., & Choi, S. (2016). A structural insight into the negative effects of opioids in analgesia by modulating the TLR4 signaling: An in silico approach. *Scientific Reports*, 6: 39271. (IF: 4.011)

Alexander, V., Nayar, PG., Murugesan, R., Shajahan, S., Krishnan, J., Ahmed, SS. (2016). A systems biology and proteomics-based approach identifies SRC and VEGFA as biomarkers in risk factor mediated coronary heart disease. *Molecular Biosystems* 19;12(8): 2594-604.

Rao VR Sanyal, J., Ahmed, SS., Ng HK., Naiya, T., Ghosh, E., Banerjee, TK., Lakshmi, J., & Guha (2016). Metalloic biomarkers in cerebrospinal fluid and serum in patients with Parkinson's disease in Indian population. *Scientific Reports* 18;6: 35097. (IF: 4.011)

BOOK CHAPTERS

Bhat, L. (2019). Obstetric Mistreatment, Dignity of Women and Maternal Mental Health: A Preliminary Review. In: *Health and Wellbeing in a Multi-Sectoral Perspective; Recent Trends, Challenges and Opportunities*. (Eds. Mamman, J.C., Vithya V., Neethu P.S. & Panner, S.) Bloomsbury India.

Dash, A.P., Krishnan, J., Sigamani, P., Shankar, EM., & Chattopadhyay, I. (2017). *Vectors and Vector Borne Diseases: Pathobiological Insights, Public Health Challenges & Management Strategies*. Bloomsbury India.



SCHOOL OF LIFE SCIENCES

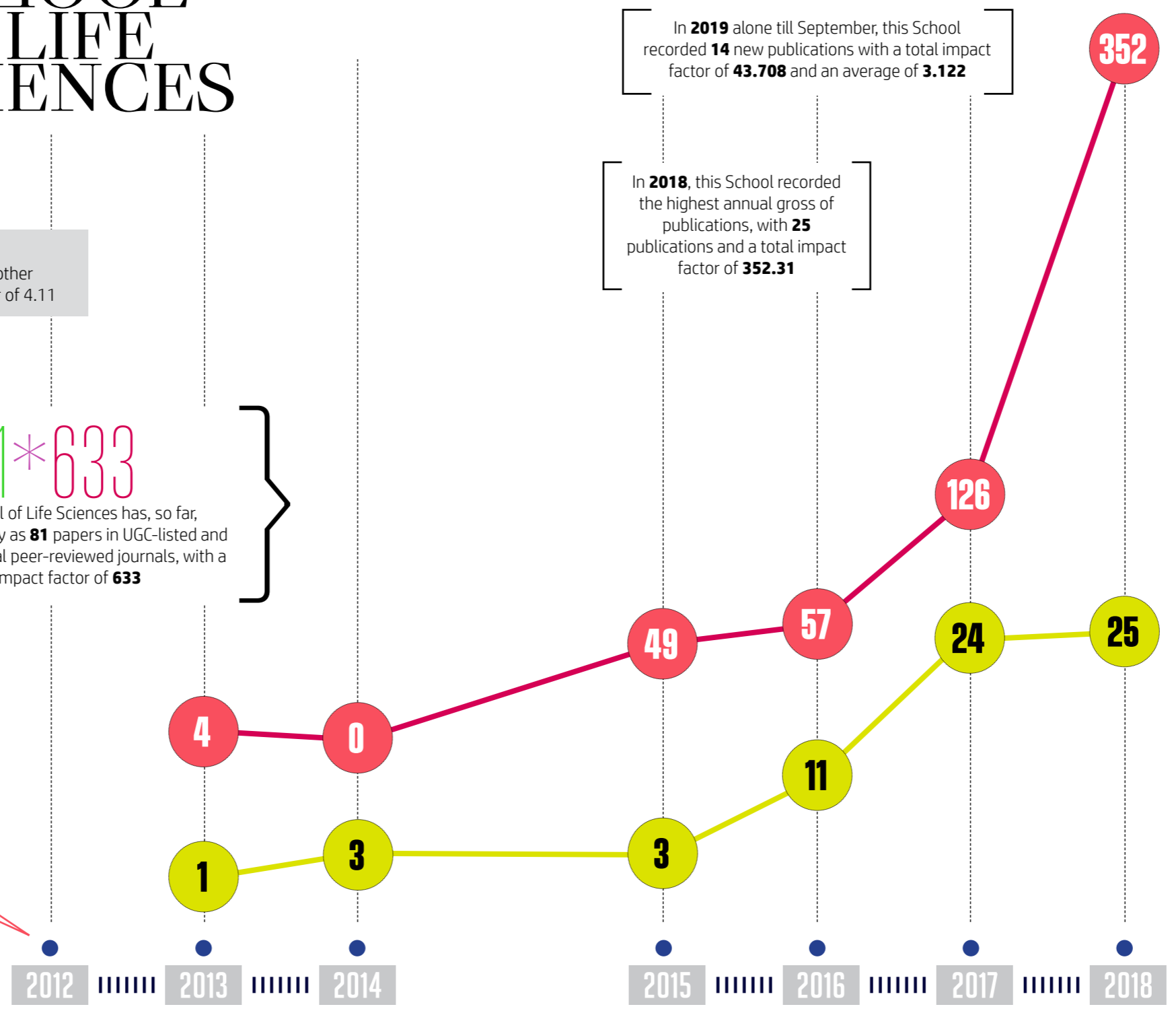
CUTN's School of Life Sciences recorded its first publications in 2013, with 1 publication in UGC-listed and other international peer-reviewed journals and a total impact factor of 4.11

TOTAL IMPACT FACTOR

TOTAL PUBLICATIONS

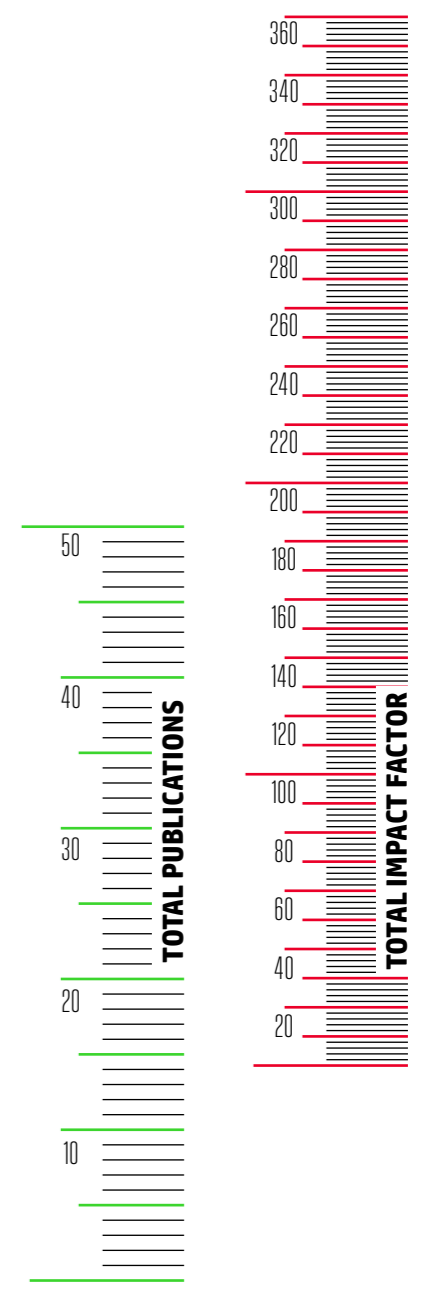
81 * 633
 CUTN's School of Life Sciences has, so far, published as many as **81** papers in UGC-listed and other international peer-reviewed journals, with a total impact factor of **633**

Established in 2012, the School of Life Sciences opened with the Department of Life Sciences. In 2017, it added the Department of Epidemiology and Public Health, and Microbiology



In **2019** alone till September, this School recorded **14** new publications with a total impact factor of **43.708** and an average of **3.122**

In **2018**, this School recorded the highest annual gross of publications, with **25** publications and a total impact factor of **352.31**





DEPARTMENT OF LIFE SCIENCES

2019

- Ahmad, F., Kannan, M., Obser, T., Budde U., Schneppenheim, S., Saxena, R., & Schneppenheim, R. (2019). Characterization of VWF gene conversions causing von Willebrand disease. *British Journal of Haematology*, 184(5):817-825. (IF: 5.206)
- Bhattacharya, P., Ellegård, R., Khalid, M., Keita, Å.V., Söderholm, J.D., Myrelid, P., Lifson, J.D., Shankar, E.M., Nyström, S., & Larsson, M. (2019) Complement opsonization of HIV affects early events during primary HIV infection of colorectal mucosa and subsequent activation of T cells. *Frontiers in Immunology*, (In press) (IF: 4.716)
- Cheong, H. C., Quin Lee, C. Y., Cheok, Y. Y., Shankar, E. M., Sabet, N.S., Yi Tan, G.M., Movahed, E., Yeow, T.C., Sulaiman, S., Wong, W.F., Looi, C.Y., Gupta, R., Hassan, J., Arulanandam, B., & AbuBakar, S. (2019). CPAF, HSP60 and MOMP antigens elicit pro-inflammatory cytokines production in the peripheral blood mononuclear cells from genital Chlamydia trachomatis-infected patients. *Immunobiology*, 224(1):34-41. (IF: 2.798)
- Crisci, E., Ellegård, R., Svanberg, C., Nyström, S., Hellbom, J., Lifson, J.D., Shankar, E.M., Eriksson, K., Larsson, M. HSV-2 cellular programming enables productive HIV infection in dendritic cells. *Frontiers in Immunology* 2019, (In press) (IF: 4.716)
- Ganesh, P.S., Vishnupriya, S., Vadivelu, J., Mariappan, V., Vellasamy, K.M., & Shankar, E.M. (2019) Intracellular survival and innate immune evasion of Burkholderia cepacia: Improved understanding of quorum sensing-controlled virulence factors, biofilm and inhibitors. *Microbiology & Immunology*, (In press) (IF: 1.335)
- Kannan, M., Ahmad, F., & Saxena, R. (2019) Platelet activation markers in evaluation of thrombotic risk

- factors in various clinical settings. *Blood Reviews*, 2019;37:100583 (IF: 6.600)
- Liu, X., Challabathula, D., Quan, W., & Bartels, D. (2019). Transcriptional and metabolic changes in the desiccation tolerant plant *Craterostigma plantagineum* during recurrent exposures to dehydration. *Planta*, 249:1017-1035. (IF: 3.060)
- Murugesan, A., Ibegbu, C., Styles, T.M., Jones, A.T., Jagadeesh Reddy, P.B., Shanmugasundaram, U., Shankar, E.M., Amara, R.R., & Velu, V. (2019) Highly activated MAIT cells are associated with control of simian-human immunodeficiency virus infection. *Frontiers in Immunology* (In press) (IF: 4.716)
- Meena, A.A., Amudhan, M., Sopnajothi, S., Yong, Y.K., Ganesh, P.S., Vimali, I.J., Vignesh, R., Elanchezhian, M., Kannan, M., Dash, A.P., & Shankar, E.M. (2019) Increase of plasma TNF- α is associated with decreased levels of blood platelets in clinical dengue infection. *Viral Immunology* 2019, (DOI: 10.1089/vim.2019.0100) (IF: 1.417)
- Rajendran, P., Chao, W.-T., Shankar, E.M., Ganapathy, E., & Srinivasan, K. (2019) Editorial: Cancer metastasis – a therapeutic target. *Journal of Oncology*, 2019:7907282. (IF: 2.600)
- Ram, M. R., Xinsheng, T., Tamayanthi, R., Khean-Lee, G., Alex, L., Bee, H. P., Vanitha, M., Shankar, E. M., Fai, L. M., & Vadivelu, J. (2019). Polymorphisms in host CYP2C19 gene and antibiotic resistance attributes of *Helicobacter pylori* isolates influence the outcome of triple therapy. *Journal of Antimicrobial Chemotherapy*, 74(1):11-16. (IF: 5.113)
- Muthusami S, Vidya B, Shankar EM, Vadivelu J, Ramachandran I, Stanley J, Nagarajan S, Loganayaki P. (2019) Functional significance of endocrine-immune interactions in health and disease. *Journal of Protein and Peptide Science*, (DOI: 10.2174/1389203720666191106113435) (IF: 1.885)
- Vignesh, R., Swathirajan, C. R., Ravindran, J., & Shankar, E. M. (2019). Are we prepared to save the sanctity of science from predatory journals? *Indian Journal of Community Medicine*, 44(1):72.
- Yong, Y.K., Tan, H.Y., Wong, W.F., Leng, C.Y., Vignesh, R., Velu, V., Eri, R., Larsson, M., Shankar, E.M. (2019). Immune biomarkers for the diagnosis and treatment monitoring of tuberculosis: Current developments and future prospects. *Frontiers in Microbiology*, (DOI: 10.3389/fmicb.2019.02789) (IF: 4.259)

2018

- Barathan, M., Mohamed, R., Yong, Y.K., Kannan, M., Vadivelu, J., Saeidi, A., Larsson, M., & Shankar, E.M. (2018). Viral persistence and chronicity in

hepatitis C virus infection: Role of T-cell apoptosis, senescence and exhaustion. *Cells*, 7:10; E165. (IF: 5.656)

- Challabathula, D., Zhang, Q., & Bartels, D. (2018). Protection of photosynthesis in desiccation-tolerant resurrection plants. *Journal of Plant Physiology*, 227:84-92. (IF: 2.825)
- Chowdhury, R., Chowdhury, V., Faria, S., Islam, S., Maheswary, N. P., Akhter, S., Islam, M. S., & Dash, A. P. (2018). Indoor residual spraying for kala-azar vector control in Bangladesh: A continuing challenge. *PLoS Neglected Tropical Diseases*, 12(10):e0006846. (IF: 4.487)
- Dicker, D., Nguyen, G., Abate, D., Abate, K. H., Abay, S. M., Abbafati, C., Dash, A. P., & Murray, C. J. L. (2018). Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*, 392:1684–1735. (IF: 59.102)
- Ellegård, R., Khalid, M., Svanberg, C., Holgersson, H., Thorén, Y., Wittgren, M. K., Hinkula, J., Nyström, S., Shankar, E. M., & Larsson, M. (2018). Complement-opsonized HIV-1 alters cross talk between dendritic cells and natural killer (NK) cells to inhibit NK killing and to upregulate PD-1, CXCR3, and CCR4 on T cells. *Frontiers in Immunology*, 9:899. (IF: 4.716)
- Krishnan, J., & Mathiarasan, L. (2018). Prevalence of disease vectors in Lakshadweep Islands during post-monsoon season. *Journal of Vector Borne Diseases*, 55(3):189-196. (IF: 1.473)
- Lozano, R., Fullman, N., Abate, D., Abay, S. N., Abbafati, C., Abbasi, N., Abbastabar, H., Abd-Allah, F., Abdela, J., Abdelalim, A., Dash, A. P., & Murray, C. J. L. (2018). Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related sustainable development goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*, 392:2091–2138. (IF:59.102)
- Mariappan, V., Thimma, J., Vellasamy, K., Shankar, E. M., & Vadivelu, J. (2018). Airway surface liquid and glucose concentrations influence adhesion and invasion of *Burkholderia pseudomallei* in lung epithelial cells. *Environmental Microbiology Reports*, 10(2):217-225. (IF: 2.874)
- Murray, C. J. L., Callender, C. S. K. H., Kulikoff, X. R., Srinivasan, V., Abate, D., Abate, K.H., Abay, S. M., Abbasi, N., Abbastabar, Dash, A. P., & Lim, S. S. (2018). Population and fertility by age and sex for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*, 392:1995–2051. (IF: 59.102)
- Roth, G.A., Abate, D., Abate, K.H., Abay, S.M., Abbafati, C., Abbasi, N., Abbastabar, H., Abd-Allah, F., Ab-

- dela, J., Abdelalim, A., Dash, A.P., & Murray, C.J.L. (2018). Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*, 392:1736–1788. (IF: 59.102)
- Saeidi, A., Zandi, K., Ying, C. Y., Saeidi, H., Fen, W.W., Lee, C.Y.Q., Choon, H., Yong, Y.K., Larsson, M., & Shankar, E.M. (2018). T-cell exhaustion in chronic infections: Reversing the state of exhaustion and reinvigorating optimal protective immune responses. *Frontiers in Immunology*, 9:2569. (IF: 4.716)
- Shankar, E.M., Vignesh, R., & Dash, A.P. (2018). Recent advances on T-cell exhaustion in malaria infection. *Medical Microbiology & Immunology*, 207:167-174. (IF: 2.690)
- Stanaway, J.D., Afshin, A., Gakidou, E., Lim, S.S., Abate, D., Abate, K.H., Abay, S.M., Abbafati, C., Abbasi, N., Abbastabar, H., Abd-Allah, F., Dash, A.P., & Murray, C.J.L. (2018). Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*, 392:1923–1994. (IF: 59.102)
- Velayuthan, R.D., Samudi, C., Lakhbeer Singh, H.K., Ng, K.P., Shankar, E.M., & Denning, D.W. (2018). Estimation of burden of serious human fungal infections in Malaysia. *Journal of Fungi*, 4(1):38.
- Vemuri, R., Kalpurath, K., Ball, M., Tristram, S., Shankar, E.M., Gundamaraju, R., Ahuja, K., & Eri, R. (2018). Gut microbial changes, interactions and implication in human life cycle: A focus on ageing perspective. *BioMed Research International*, 2018:4178607. (IF: 2.197)
- Yong, Y. K., Saeidi, A., Tan, H.Y., Rosmawati, M., Enström, P.F., Al Batran, R., Vasuki, V., Chattopadhyay, I., Murugesan, A., Vignesh, R., Kamarulzaman, A., Rajarajeswaran, J., Ansari, A.W., Vadivelu, J., Velu, V., Ussher, J.E., Larsson, M., & Shankar, E.M. (2018). Hyper-expression of PD-1 is associated with the levels of exhausted and dysfunctional phenotypes of circulating CD161++T-CR iVa7.2+ mucosal-associated invariant T (MAIT) cells in chronic hepatitis B virus infection. *Frontiers in Immunology*, 9:472. (IF: 4.716)
- 2017
- Ahmad, F., Shankar, E. M., Kong, Y. Y., Tan, H. Y., Ahrenstorf, G., Jacobs, R., Larsson, M., Schmidt, R. E., Kamarulzaman, A., & Ansari, A. W. (2017).



- Negative checkpoint regulatory molecule 2B4 (CD244) upregulation is associated with invariant natural killer T cell alterations and human immunodeficiency virus disease progression. *Frontiers in Immunology*, 8:338. (IF: 4.716)
- Baba A. B., Nivetha R., Chattopadhyay I., & Nagini S. (2017) Blueberry and malvidin inhibit cell cycle progression and induce mitochondrial-mediated apoptosis by abrogating the JAK/STAT-3 signaling pathway. *Food and Chemical Toxicology*, 109(1):534-543. (IF: 3.775)
- Barathan, M., Mohamed, R., Vadivelu, R., Chang, L.Y., Vignesh, R., Jayalakshmi, K., Sigamani, P., Saeidi, A., Ravishankar Ram, M., Velu, V., Larsson, M., & Shankar, E.M. (2017). HCV-specific CD8+ T cells of chronic HCV-infected patients express multiple negative immune checkpoints. *Cellular Immunology*, 313:1-9. (IF: 3.291)
- Bhattacharya, S.K., & Dash, A.P. (2017) Elimination of Kala-azar from South East Asia Region. *American Journal of Tropical Medicine and Hygiene*, 96(4):802-804. (IF: 2.315)
- Chattopadhyay, I., Wang, J., Qin, M., Gao, L., Holtz, R., Vessella, R.L., Leach, R.W., & Gelman, I.H. (2017). Src promotes castration-recurrent prostate cancer through androgen receptor-dependent canonical and non-canonical transcriptional signatures. *Oncotarget*, 8(6):10324-10347. (IF: 3.046)
- Chattopadhyay, I. (2017). Application of radiogenomics in radiation oncology. *Journal of Radiation Cancer Research*, 8:74-76.
- Chowdhury, R., Faria, S., Huda, M. M., Chowdhury, V., Maheswary, N. P., Mondal, D., Akhter, S., Khan, R. K., Nabi, S. G., Kroeger, A., Argaw, D., Alvar, J., Dash, A. P., & Banu, Q. (2017). Control of *Phlebotomus argentipes* (Diptera: Psychodidae) sand fly in Bangladesh: A cluster randomized controlled trial. *PLoS Neglected Tropical Diseases*, 11(9):e0005890. (IF: 4.487)
- Dandona, L., Dandona, R., Kumar, G. A., Shukla, D. K., Paul, V. K., Balakrishna, K., Prabhakaran, D., Tandon, N., Salvi, S., Dash, A. P., & Swaminathan, S. (2017). Nations within a nation: variations in epidemiological transition across the states of India, 1990-2016 in the Global Burden Disease Study. *Lancet* 390(10111):2437-2460. (IF: 59.102)
- Kannan, M., & Saxena, R. (2017). No genetic abnormalities identified in $\alpha 2\text{Ib}$ and $\beta 3$: Phenotype overcomes genotype in Glanzmann thrombasthenia. *International Journal of Laboratory Hematology*, 39(2):41-44. (IF: 2.073)
- Krishnan, J. (2017). Human cerebral malaria and experimental cerebral malaria in mice: Relevance and applicability. *MOJ Biology and Medicine*, 2(1):186-187.
- Murugesan, A., Ibegbu, C., Styles, T., Hicks, S., Sabula, M., Jagadeesh Reddy, P. B., Jones, A., Shankar, E.M., Amara, R.R., & Velu, V. (2017). MAIT cells (CD8+CD161++TCR7.2++) are functionally impaired during chronic SHIV infection. *Journal of Immunology*, 198(S1):78.35. (IF: 4.718)
- Nagini, S., Kranthi K., Kishore T., & Chattopadhyay I. (2017). NF- κ B Inhibitors in head and neck cancer. *Letters in Drug Design and Discovery*, 14(5):619-633.
- Raghavendra, K., Velamuri, P.S., Verma, V., Elamathi, N., Barik, T.K., Bhatt, R. M., Dash, A.P. (2017). Review Temporo-spatial distribution of insecticide-resistance in Indian malaria vectors in the last quarter-century: Need for regular resistance monitoring and management. *Journal of Vector Borne Diseases*. 54(2):111-130. (IF: 1.473)
- See, J-X., Chandramathi, S., Abdulla, M.A., Vadivelu, J., & Shankar, E.M. (2017). Persistent infections due to a small-colony variant of *Burkholderia pseudomallei* leads to PD-1 upregulation on circulating immune cells and mononuclear infiltration in viscera of experimental BALB/c mice. *PLoS Neglected Tropical Diseases*, 11(8):e0005702. (IF: 4.487)
- Sharon, Tai M-L, Tan H-Y, Yong, Y.K., Shankar, E.M., Viswanathan, S., Nor, H.M., Rahmat, K., Yap, J.F., Ng, B.S., & Tan, C.T. (2017). Role of cytokines in the assessment of clinical outcome and neuroimaging findings in patients with tuberculous meningitis. Role of cytokines in the assessment of clinical outcome and neuroimaging findings in patients with tuberculous meningitis. *Neurology Asia*, 22(3):209-220. (IF: 0.218)
- Smilin Bell Aseervatham, G., Cho, S., & Krishnan, J.K.R. (2017). Cigarette smoke and related risk factors in neurological disorders: An update. *Biomedicine and Pharmacotherapy*, 85:79-86. (IF: 3.473)
- Vadivelu, J., Vellasamy, K., Thimma, J., Mariappan, V., Kang, W. T., Choh, L. C., Shankar, E. M., & Wong, K. T. (2017). Survival and intra-nuclear trafficking of *Burkholderia pseudomallei*: Strategies of evasion from immune surveillance? *PLoS Neglected Tropical Diseases*, 11(1):e0005241. (IF: 4.487)
- Vignesh, R., & Shankar, E.M. (2017). Thalidomide as a potential HIV latency reversal agent: Is it the right time to forget the ancestral sins? *EBioMedicine*, 24:20-21. (IF: 6.680)
- Yong, Y.K., Tan, H.Y., Saeidi, A., Rosmawati, M., Atiya, N., Ansari, A.W., Rajarajeswaran, J., Vadivelu, J., Velu, V., Larsson, M., & Shankar, E.M. (2017). Decrease of CD69 levels on TCR Va7.2+CD4+ innate-like lymphocytes is associated with impaired cytotoxic functions in chronic hepatitis B virus-infected patients. *Innate Immunity*, 23(5):459-467. 3.40 (IF: 2.173)
- Yong, Y. K., Tan, H. Y., Jen, S. H., Shankar, E. M., Natkunam, S. K., Sathar, J., Manikam, R., Sekaran, S. D. (2017). Aberrant monocyte responses predict and characterize dengue virus infection in individuals with severe disease. *Journal of Translational Medicine*, 15(1):121. (IF: 2.173)
- 2016**
- Alexander, V., Nayar, P.G., Murugesan, R., Shajahan, S., Krishnan, J., & Ahmed, S.S. (2016). A systems biology and proteomics-based approach identifies SRC and VEGFA as biomarkers in risk factor mediated coronary heart disease. *Molecular Biosystems*, 12(8):2594-2604. (IF: 2.855)
- Ataei, S., Braun, V., Challabathula, D., & Bartels, D. (2016). Differences in LLEA-like 11-24 gene expression in desiccation tolerant and sensitive species of Linderniaceae are due to variations in gene promoter sequences. *Functional Plant Biology*, 43:695-708. (IF: 2.327)
- Bhattacharya, S.K., & Dash, A.P. (2016). Treatment of visceral leishmaniasis: options and choice. *Lancet Infectious Diseases*, 16(2):142-143. (IF: 27.516)
- Challabathula, D., Puthur, J. T., & Bartels, D. (2016). Surviving metabolic arrest: Photosynthesis during desiccation and rehydration in resurrection plants. *Annals of the New York Academy of Sciences*, 1365:89-99. (IF: 4.295)
- Chowdhury, R., Kumar, V., Mondal, D., Das, M.L., Das, P., Dash, A.P., & Kroeger, A. (2016). Implication of vector characteristics of *Phlebotomus argentipes* in the kala-azar elimination programme in the Indian sub-continent. *Pathogen Global Health*, 110(3):87-96.
- Dinakar, C., Vishwakarma, A., Raghavendra, A., & Padmasree, K. (2016). Alternative oxidase pathway optimize photosynthesis during osmotic and temperature stress by regulating cellular ROS through redox couples of malate valve and antioxidative system. *Frontiers in Plant Science*, 7:1-17. (IF: 4.106)
- Sanyal, J., Ahmed, S.S., Ng, H. K., Naiya, T., Ghosh, E., Banerjee, T. K., Lakshmi, J., Guha, G., & Rao, V. R. (2016). Metallomic biomarkers in cerebrospinal fluid and serum in patients with Parkinson's disease in Indian population. *Scientific Reports*, 18;6:35097. (IF: 4.011)
- Shah, M., Anwar, M. A., Yesudhas, D., Krishnan, J., & Choi, S. (2016). A structural insight into the negative effects of opioids in analgesia by modulating the TLR4 signaling: An in silico approach. *Scientific Reports*, 6:39271. (IF: 4.011)
- 2015**
- Giarola, V., Challabathula, D., & Bartels, D. (2015). Quantification of expression of dehydrin isoforms in the desiccation tolerant plant *Craterostigma plantagineum* using specifically designed reference genes. *Plant Science*, 236:103-115. (IF: 3.785)
- Singh, V., Singh, L. C., Vasudevan, M., Chattopadhyay, I., Borthakar, B. B., Rai, A.K., Phukan, R. K., Sharma, J., Mahanta, J., Katak, A.C., Kapur, S., & Saxena, S. (2015). Esophageal cancer epigenomics and integrative analysis of genome-wide methylation and expression in high risk Northeast Indian population. *OMICS*, 19(11):688-699. (IF: 2.610)
- VanBuren, R., Bryant, D., Edger, P. P., Tang, H., Burgess, D., Challabathula, D., Spittle, K., Hall, R., Gu, J., Lyons, E., Freeling, M., Bartels, D., Hallers, B. T., Hastie, A., Michael, T. P., & Mockler, T. C. (2015) Single molecule sequencing of the desiccation tolerant grass *Oropetium thomaeum*. *Nature*, 527:508-511. (IF:43.070)
- 2014**
- Kannan, M. (2014). Role of conformation sensitive gel electrophoresis in identifying mutations in Glanzmann's Thrombasthenia patients. *Journal of Cell Science & Molecular Biology*, 1(1):104.
- Sharma, A., Pandey, A., Sharma, S., Chatterjee, I., Mehrotra, R., Sehgal, A., Sharma, J. K. (2014). Genetic polymorphism of glutathione S-transferase P1 (GSTP1) in Delhi population and comparison with other global populations. *Meta Gene*, 20(2):134-142.
- Yadav, D. S., Chattopadhyay, I., Verma, A., Devi, T. R., Singh, L. C., Sharma, J. D., Katak ACH, Saxena, S., & Kapur, S. (2014). A pilot study evaluating genetic alterations that drive tobacco- and betel quid-associated oral cancer in Northeast India. *Tumor Biology*, 35(9):9317-9330.
- 2013**
- Dinakar, C., & Bartels, D. (2013). Desiccation tolerance



in resurrection plants: new insights from transcriptome, proteome and metabolome analysis. *Frontiers in Plant Science*, 4:1–14. (IF: 4.106)

Book Chapters

- Shankar, E. M., Saeidi, A., Velu, V., & Larsson, M. (2019). Mechanistic insights on immune senescence, exhaustion and immune activation in HIV-tuberculosis co-infection. In: *Handbook of Immunosenescence* Fulop, T., Franceschi, C., Hirokawa, K., Pawelec, G. (Eds.). 2nd Edition. Springer Science+Business Media B.V.
- Dash, A. P., Krishnan, J., Sigamani, P., Shankar, E. M., & Chattopadhyay, I. (2017). Vectors and vector-borne diseases: Pathobiological insights, public health challenges and management strategies. India: Bloomsbury.
- Kannan, M., & Arora, N. (2016) Inherited platelet function disorders-Glanzmann's Thrombasthenia. In: *Monograph on platelet disorders*. (pp. 226-235).
- Padmasree, K., & Dinakar, C. (2014). Mitochondrial oxidative metabolism optimizes photosynthetic carbon assimilation through redox and ROS linked metabolic shuttles. In: *Photosynthesis: Overviews on recent progress and future perspective*. Itoh, S., Mohanty, P., Guruprasad, K. N. (Eds). (pp.157–165). New Delhi: IIK International Publishers.

DEPARTMENT OF MICROBIOLOGY

2019

- Krishnakumar, V., Durairajan, S. S. K., Kalichamy A., Li, M., Dash, A. P. (2019). Recent updates on mouse models for human immunodeficiency, influenza, and dengue viral infections. *Viruses*, 1(3): E252. (IF: 3.811)
- Iyaswamy, A., Krishnamoorthi, S.K., Song J.X., Yang, C.B, Zhang, H., Kaliyamoorthy, V., Sravan, G.S., Wang, Z.Y., Zhu, Z., Malampati, S., Tong, C.T., Cheung, K.H., Lu, J.H., Durairajan S.S.K, Li, M. (2019). NeuroDefend, a novel traditional Chinese medicine, attenuates amyloid- β and tau pathology in experimental Alzheimer's disease. *Journal of Food and Drug Analysis*, Epub (I.F: 4.176)
- Naushad, M., Durairajan, S.S.K., Bera, A.K., Senapti, S., Li, M. (2019). Natural compounds with anti-BACE1 activity as promising therapeutic drug for treating Alzheimer's disease. *Planta Medica* (2019). Epub (I.F: 2.74)
- Song, J.X., Malampati, S., Zeng, Y., Durairajan, S.S.K., Yang, C.B., Tong, B.C.T., Iyaswamy, A., Shang, W.B., Sreenivasmurthy, G.S., Zhu, Z., Cheung, K.H., Lu, J.H., Tang, C.Z., Xu, N.G., Li, M. (2019). A novel small molecule TFEB activator ameliorates APP and Tau pathology in Alzheimer's disease models. *Aging Cell* Epub (IF: 7.62)
- Suchitra, R., Karthikeyan, S., Dolly, W.D. (2019). Bio-prospecting of indigenously isolated microalgae for biodiesel production. *Agricultural Research Journal*, 56: 541-546.
- Suchitra, R., Karthikeyan, S. (2019). Economic feasibility of microalgal biodiesel production via indigenously designed tubular photobioreactor. *Journal of Farm Sciences*, 32: 186-190.
- Suchitra, R., Karthikeyan, S., Dolly, W.D. (2019). Influence of thermal behaviour and nutrient sources on microalgal biomass for fuel use. *International Journal of Current Agricultural Sciences*, 9: 401-406. (IF 0.654)
- Suchitra, R., Karthikeyan, S. (2019). Co-cultivation of microalgae with oleaginous yeast for economical biofuel production. *Journal of Farm Sciences*, 32: 125-130.
- Sathiyadevi, M., Suchitra, R., ArunKumar, N., Deepika, J. (2019). Antimicrobial activity of panchagavya and its effect on seed germination. *Journal of Farm Sciences*, 32: 358-360.

Dhurvas CD, Selvaraj T, Kaushik R, Evzen B. Antiviral Drug Targets of Single-Stranded RNA Viruses Causing Chronic Human Diseases. *Current Drug Targets*, 2019 (I.F: 2.64).

2018

- Velayuthan, R. D., Samudi, C., Lakhbeer Singh, H. K., Ng, K. P., Shankar, E. M., & Denning, D. W. (2018). Estimation of burden of serious human fungal infections in Malaysia. *Journal of Fungi*, 4(1):38.
- Yong, Y. K., Saeidi, A., Tan, H. Y., Rosmawati, M., Enström, P. F., Al Batran, R., Vasuki, V., Chattopadhyay, I., Murugesan, A., Vignesh, R., Kamarulzaman, A., Rajarajeswaran, J., Ansari, A. W., Vadivelu, J., Velu, V., Ussher, J. E., Larsson, M., Shankar, E. M. (2018). Hyper-expression of PD-1 is associated with the levels of exhausted and dysfunctional phenotypes of circulating CD161⁺⁺T-CR iV α 7.2⁺ mucosal-associated invariant T (MAIT) cells in chronic hepatitis B virus infection. *Frontiers in Immunology*, 9:472. (IF: 4.716)
- Ellegård, R., Khalid, M., Svanberg, C., Holgersson, H., Thorén, Y., Wittgren, M. K., Hinkula, J., Nyström, S., Shankar, E. M., Larsson, M. (2018). Complement-opsonized HIV-1 alters cross talk between dendritic cells and natural killer (NK) cells to inhibit NK killing and to upregulate PD-1, CXCR3, and CCR4 on T cells. *Frontiers in Immunology*, 9:899. (IF: 4.716)

2017

- Vignesh, R., Shankar, E. M. (2017) Commentary: Thalidomide as a potential HIV latency reversal agent: Is it the right time to forget the ancestral sins? *EBioMedicine (Lancet)* 24: 20-21. (IF: 6.680)

Book Chapters

- Jeewon R., Luckhun A, Bhoyroo, V., Nabeelah, S, Mahoomodally, M.F, Rampadarath, S., Puchooa, D., Sarma, V.V., Hyde, K.D. (2019) Pharmaceutical potential of marine fungal endophytes. In: *Endophytes and secondary metabolites, reference series in phytochemistry*. Springer Nature. S. Jha (Eds); 1-23.
- Nagarathinam, A., Rakesh S., Rajaram, K., Ravi Kumar, N., Durairajan, S.S.K. (2019). Anthosphere microbiome and their associated interactions at the aromatic interface. In: *Plant Microbe Symbiosis*. Springer Nature. S A. Varma et al. (eds.), 309-324.



SCHOOL OF MATHEMATICS AND COMPUTER SCIENCES

CUTN's School of Mathematics and Computer Sciences recorded its first publications in 2012, with 2 publications in UGC-listed and other international peer-reviewed journals

TOTAL IMPACT FACTOR

TOTAL PUBLICATIONS

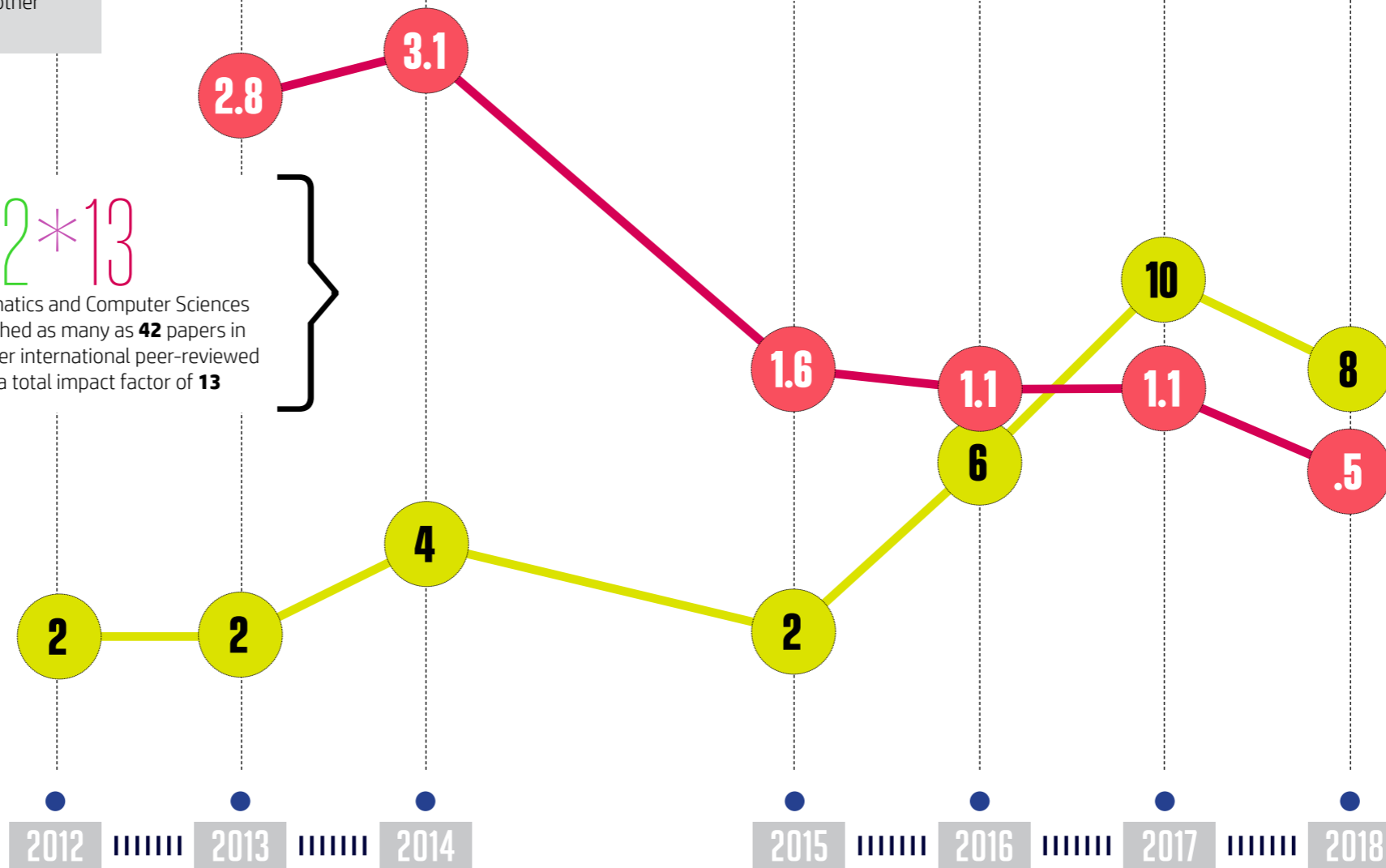
$$42 * 13$$

School of Mathematics and Computer Sciences has, so far, published as many as **42** papers in UGC-listed and other international peer-reviewed journals, with a total impact factor of **13**

Established in 2010, the School of Mathematics and Computer Sciences opened with the Department of Mathematics. In 2017, it added the Department of Computer Science

In **2019** alone till September, this School recorded **14** new publications with a total impact factor of **2**

In **2017**, this School recorded the highest annual gross of publications, with **10** publications and a total impact factor of **1.1**





DEPARTMENT OF COMPUTER SCIENCE

2019

- Adarsh, V., & Martin, A. (2019). A Study on Deep Learning Techniques to Improve Bitcoin Price Prediction. *International Journal of Computer Sciences and Engineering*. 7(4): 126-129.
- Bhaskaruni, V., M., Sai Dileep, S., Bhuvanewari, & Saranya, R. (2019). A Comprehensive Study on Face Detection and Recognition Techniques. *American International Journal of Research in Science, Technology, Engineering & Mathematics*. 57-63.
- Enoch Arulpraksh, Martin, A. (2019). A Study on Different Evolution in Computer Vision. *International Journal of Computer Sciences and Engineering*. 7(5).
- Janardhan, N., & Nandhini, K. (2019). Wireless Sensor and Actuator Networks (WSANs): Insights and Scope of Research. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*. 8 (11).
- Miranda Lakshmi, T., Martin, A., & Venkatesan, P. (2019). A Study on Influence of Rank Reversal on Weight Methods in GFTOPSIS by applying Adding an Alternative and Removing an Alternative Metric. *The International Journal of Analytical and Experimental Modal Analysis*. 11(8): 203-209.
- Miranda Lakshmi, T., Martin, A., PrasannaVenkatesan-Venkatasamy. (2019). A Study on Influence of Sensitivity Analysis on Normalization Techniques by Applying Equal and Exchange of Weight Metrics. *International Journal of Computer Sciences and Engineering*. 7 (5).
- Venkateswarlu Bonta., Nandhini Kumares., & Janardhan, N. (2019). A Comprehensive Study on Lexicon Based Approaches for Sentiment Analysis. *Asian Journal of Computer Science and Technology*. 8 (S2): 1-6.

2018

- Saranya, R., Senthamarai Kannan, S. S., & Meenakshi Sundaram, S. (2018). Integrated quantum flow and hidden Markov chain approach for resisting DDoS attack & C-Worm. *Cluster Computing - The Journal of Networks, Software Tools and Applications*.
- Miranda Lakshmi, T., Martin, A., Prasanna Venkatesan, V. (2018). A study on different distance measures in TOPSIS: a case study on agricultural domain. *Shanlax International Journal of Management*. 5(S1).
- Martin, A., Miranda Lakshmi, Prasanna Venkatesan. (2018). A Study on Evaluation Metrics for Multi-Criteria Decision Making (MCDM) Methods - TOPSIS, COPRAS & GRA. *International Journal of Computing Algorithm*. 7 (1): 29-37.
- Martin Aruldoss, Miranda Lakshmi Travis, & Prasanna Venkatesan, V. (2018). A Study and Estimation of Different Distance Measures in Generalized Fuzzy TOPSIS to Improve Ranking Order: An Application of Fuzzy TOPSIS on Banking Business. *Advanced Fuzzy Logic Approaches in Engineering Science*.
- Martin, A., Miranda Lakshmi, T., & PrasannaVenkatesan, V. (2018) Design of Simplified Triangular Fuzzy TOPSIS: A Case Study on Supplier Selection. *International Journal for Research in Applied Science and Engineering Technology*. 5(9).

2017

- Krishnan, R.B., Thandra, P.K., Satya Murthy, S. A. V., & Thiyagarajan, P. (2017). Font Attributes based Text Steganographic algorithm (FATS) for communicating images: A nuclear power plant perspective. *KERNTECHNIK Journal of Nuclear Engineering*. 82(1): 98-111.
- Saranya, R. (2017). An Efficient DDoS Traffic Flooding attack resistance model using Quantum Flow. *Advanced Engineering Research and Applications (V-V, pp.12-31)*. Research India Publications, Delhi.
- Martin, A., Miranda Lakshmi, T., PrasannaVenkatesan, V. (2017). Identification of User Preference for Multi Criteria Reporting in Business Intelligence - A case study on Banking Business. *Improving E-Commerce Web Applications Through Business Intelligence Techniques*. Hershey, USA.
- Martin, A., Miranda Lakshmi, T., & Prasanna Venkatesan, V. (2017). A Comparative Study on TOPSIS and COPRAS: Identification of Better Place and Crop for Cultivation. *Advanced Engineering Research and Applications (AERA)*. Research India Publications, Delhi, India.

2016

- Nandhini, K. & Balasundaram, S. R. (2016). Improving Readability through Individualized Summary Extraction, Using Interactive Genetic Algorithm. *Applied Artificial Intelligence*. 30(7). 635-661. (IF: 0.988)

- Miranda Lakshmi, T., PrasannaVenkatesan, V., & Martin, A. (2016). A Study and Identification of Better Normalization, Weight and Distance Methods in Fuzzy TOPSIS to Develop a Multi Criteria Reporting for Banking. *Journal of Exclusive Management Science*. 07-31.

DEPT. OF MATHEMATICS

2019

- Gokulraj, S. & Chandrashekar, A. (2019). On symmetric linear games. *Linear Algebra Appln*. 562: 44-54. (IF: 0.977)
- Ramesh, V. P., Aarthika, K., Divya, D., Preethi, S., & Priyanga, B. (2019). Back propagation neural network based big data analytics for Winton stock market challenge. *Communications in Statistics Theory and Methods (to appear)*.
- Ramesh, V. P., Makeswari, M., & Thatchayini, R. (2019). Non-Wieferich primes and generators of the multiplicative group. *JP Journal of Algebra, Number theory and Applications (to appear)*.
- Ramesh, V. P., Thangadurai, R. & Thatchayini, R. (2019). A note on Gauss' Theorem. *Mathematical Association of America: American Mathematical Monthly (to appear)*. (IF: 0.361)
- Roopkumar, R. & Ganesan, C. (2019). Fractional Hartley transform on $\mathbb{S}\mathbb{G}\mathbb{S}$ -Boehmanian space. *Boletim da Sociedade Paranaense de Matemática*, (accepted).
- Roopkumar, R. (2019). Quaternionic fractional wavelet transform. *Journal of Analysis*. Springer (In Press).
- Roopkumar, R. (2019). Ripplet transform and its extension to Boehmians. *Georgian Mathematical Journal*, (Degruyter-Georgia) (ahead of print). (IF: 0.551)

2018

- Chandrashekar, A. & Sachindranath J. (2018). Linear Maps on $M_n(\mathbb{R})$ Preserving Schur Stable Matrices. *Bulletin of Kerala Mathematical Society*. 127 - 138.
- Chandrashekar, A. & Sachindranath, J. (2018). Full column rank preservers that preserve semipositivity of matrices. *Spec. Matrices*. 6: 37-45.
- Chandrashekar, A. & Sachindranath, J. (2018). Vatsalkumar N. Mer, Semipositivity of linear maps relative to proper cones in finite dimensional real Hilbert spaces. *Electronic Journal of Linear Algebra*. 34: 304 -319. (IF: 0.579)

2017

- Akila, L., & Roopkumar, R. (2017). Quaternionic curvelet transform. *Optik*. 131: 255-266. (IF: 1.191)
- Dinakar, V., Barani Balan, N., & Balachandran, K. (2017). Identification of Source Terms in a

- Coupled Age-structured Population Model with Discontinuous Diffusion Coefficients. *AIMS Mathematics*. 2: 81-95.
- Dinakar, V., Barani Balan, N., & Balachandran, K. (2017). Inverse Problems for Parabolic Equation with Discontinuous Coefficients. *Nonautonomous Dynamical Systems*. 4: 40-51.
- Ganesan, C. & Roopkumar, R. (2017). On generalizations of Boehmanian space and Hartley transform. *Matematicki Vesnik*. 69: 133-143.
- Ramesh V. P., & Gowtham, R. (2017). Asymptotic notations and its applications. *The Ramanujan Mathematical Society (RMS): Mathematics newsletter*. 28(4): 10-16.
- Subash Moorthy, R. & Roopkumar, R. (2017). Continuity of curvelet transform on rapidly decreasing functions. *Proceedings of the Jangjeon Mathematical Society*. 20: 153-162.

2016

- Chandrashekar, A. & Sachindranath Jayaraman (2016). Diagonalizability of the product versus diagonalizability of the individual factors. *Funct. Anal. Approx. Comput*. 8(3): 31 - 35.
- Ganesan, C., & Roopkumar, R. (2016). Fractional Fourier Cosine and Sine transforms on Boehmians. *Communications of Korean Mathematical Society*. 31: 791-809.
- Ramesh V. P., Prithvi, M & Thatchayini, R. (2016). Strongly Unequal Permutations of sn and Sudoku. *Neural, Parallel, and Scientific Computations*, 24: 209-224.
- Roopkumar, R. (2016). Quaternionic one-dimensional fractional Fourier transform. *Optik*. 127: 11657-11661. (IF: 1.191)

2015

- Piriadarshani, D., & Sengadir, T. (2015). Existence of solutions and semi discretization for PDE with infinite delay. *Differential Equations & Applications*. 7: 313-331.
- Prakash, P., Nieto, J. J., Senthilvelavan, S., & Sudhapriya, G. (2015). Fuzzy fractional initial value problem. *Journal of Intelligent and Fuzzy Systems*. 28: 2691-2704. (IF: 1.637)

2014

- Shangerganesh, L., Barani Balan, N., & Balachandran, K. (2014). Weak-renormalized solutions for three species competition model in ecology. *International Journal of Bio-Mathematics*. 7: 1450062. (IF: 0.894)
- Gnanavel, S., Barani Balan, N. & Balachandran K. (2014). Simultaneous Identification of Two Time Independent Coefficients in a Nonlinear Phase



SCHOOL OF PERFORMING AND FINE ARTS

4

4
School of Performing and Fine Arts has, so far, published as many as **four** papers in UGC-listed and other international peer-reviewed journals

DEPARTMENT OF MUSIC

2019

- Premalatha, V. (2017). Taladhyaya of Sangitadarpana. published by TheBharatiya Vidya Bhawan, Newdelhi. 137-140.
- Premalatha, V. (2017). Early publications of Sri Tyagaraja Swami's Publications. Journal of the Madras Music Academy, 88: 94-100.
- Premalatha, V., & Kameswari, M. (2018). Talarnava – an unknown work on Tala. Journal of the Indian Musicological Society, 19.
- Premalatha, V., & Sadasiva, A. (2018). Melodic aspects in Jatisvaram. SAMAKALIKA SANGEETHAM.

2013

- Chandrashekar, A., Parthasarathy, T., & Vetrivel, V. (2013). Solving strongly monotone linear complementarity problems. International Game Theory Review. 15: 1340035.
- Gnanavel, S., Barani Balan, N., & Balachandran, K. (2013). Simultaneous identification of parameters and initial datum of reaction-diffusion system by optimization method. Applied Mathematical Modelling. 37: 8251-8263. (IF: 2.841)

2012

- Sengadir, T., & Piriadarshani, D. (2012). Numerical Solution of a Neutral Differential Equation with Infinite Delay, Differ. Eqn. Dyn. Syst. 20: 17-34.
- Piriadarshani, D., & Sengadir, T. (2012). Asymptotic stability of differential equations with infinite delay. J. Appl. Math. 10 pp.

DEPARTMENT OF ECONOMICS

2019

- Aas Mohammad. (2019). The Efficiency and Productivity of Indian Pharmaceutical Companies- A Firm level Analysis. Cambridge Scholar Publishing, UK. [ISBN (13): 978-1-5275-3914-3].
- Joy,Justin., & Prasant Kumar Panda (2019). Pattern of Public Debt and Debt Overhang among BRICS Nations: An Empirical Analysis, Journal of Financial Economic Policy, Emerald Publications, <https://doi.org/10.1108/JFEP-01-2019-0021>, (Scopus indexed).
- Prasant Kumar Panda, & Komalavalli, P. (2019). Health, Social Security and Earnings of Labourers in Informal Sector : Primary Data Evidence from Textile Firms of Tirupur, Tamil Nadu”, in Sigamani Paneer, S. Acharya and N. Sivakami (eds), Health, safety and wellbeing of workers in the informal sector in India: lessons for emerging economies Springer, Singapore, Pp.13-21, ISBN: SBN 978-981-13-8421-9.
- Prasant Kumar Panda, & Rittu Susan Varkey. (2019). Factors Determining Agricultural Output in Indian States: An Analysis, International Journal of Applied Business and Economic Research. 19 (1): 197-204. (UGC listed).
- Prasant Kumar Panda. (2019). Pattern of Central Fiscal Transfers in India: An Inter State Analysis. International Journal of Economic Research. 16 (1): 283-293. (UGC listed).
- Sumalatha, B. S. (2019). “Traders’ Participation in Commodity Futures Markets in Kerala A case study of Rubber and Pepper trade’ paper published in Economic and Political Weekly, January 5, 2019, VOL LIV No 1 pages 44-52.

2018

- Agarwal, Tanushree and Prasant Kumar Panda (2018), Pattern of Digital Divide and Convergence in Access to ICT Facilities among Indian States, Journal of Infrastructure Development, Vol. 10(2), pp. 37-51. Sage Publication.
- Sruthi,S, R.S. Gowthami, Prasant Kumar Panda (2018), Women's entrepreneurship and Income Generation through participation in Self Help Groups: Evidence from Primary Data from Tamil Nadu, India, SMS Journal of Entrepreneurship and Innovation, (UGC listed) Vol.4(2), Pp.38-53.
- Varkey, Rittu Susan and Prasant Kumar Panda (2018), Inter-sectoral Growth Linkages and Their Implications for Agriculture: Evidence from Indian States, Millennial Asia, Vol. 9, No-3, pp. 262-277, Sage

2017

- Geetha Rani.P (2017), Education Loans and Financing Higher Education in India: Trends, Driving Forces and Distortions, IASSI Quarterly Contribution to social sciences: Special Issues on Educational and Development, 36(2&3), pp.152-173.
- Geetha Rani.P (2017), Determinants of Interest Subsidy on Education Loans in India: Who gains and who Loses? (Co-authored) Journals of management & Public policy, Vol.9 (1), pp.17-30.
- Geetha Rani.P (2017), Financing Higher Education and Education Loans in India: Interstate Differentials and Determinants, Journals of Social and Economic Development, 19(1), Springer, 10.1007/s40847-017-0034-2.
- Panda, Prasant Kumar (2017), Budgetary Impacts of Central Fiscal Transfers in India: Evidence from state level data, Vision: Journals of Indian Taxation, Vol.4 No.2. Pp.20-38.

2016

- Geetha Rani.P (2016), Financing Higher Education and Education Loans in India: Trends and Troubles, Journals of Social Sciences, Science Publications, 12(4):pp.182-200.
- Kumar, Ayush and Prasant Kumar Panda (2016), “Estimation of Tax Buoyancy among Indian states: A comparative analysis of Pre and Post VAT Period, Journal of Economic Policy and Research, Vol.11 (2) pp. 4-12, ISSN: 0975-8577.
- Panda, Prasant Kumar (2016) “Economic and Political Determinants of Central Fiscal Transfers in India: A Dynamic Panel Analysis of State Level Data, Journal of Developing Areas, Vol.50 (2), pp. 329-347.

- Sathiyar, Sanjana and Prasant Kumar Panda (2016), Financial Inclusion in India: An analysis of Pattern and Determinants, Indian Journal of Finance, Vol.10 (4) pp.41-53, ISSN: 0973-8703. Scopus.

2015

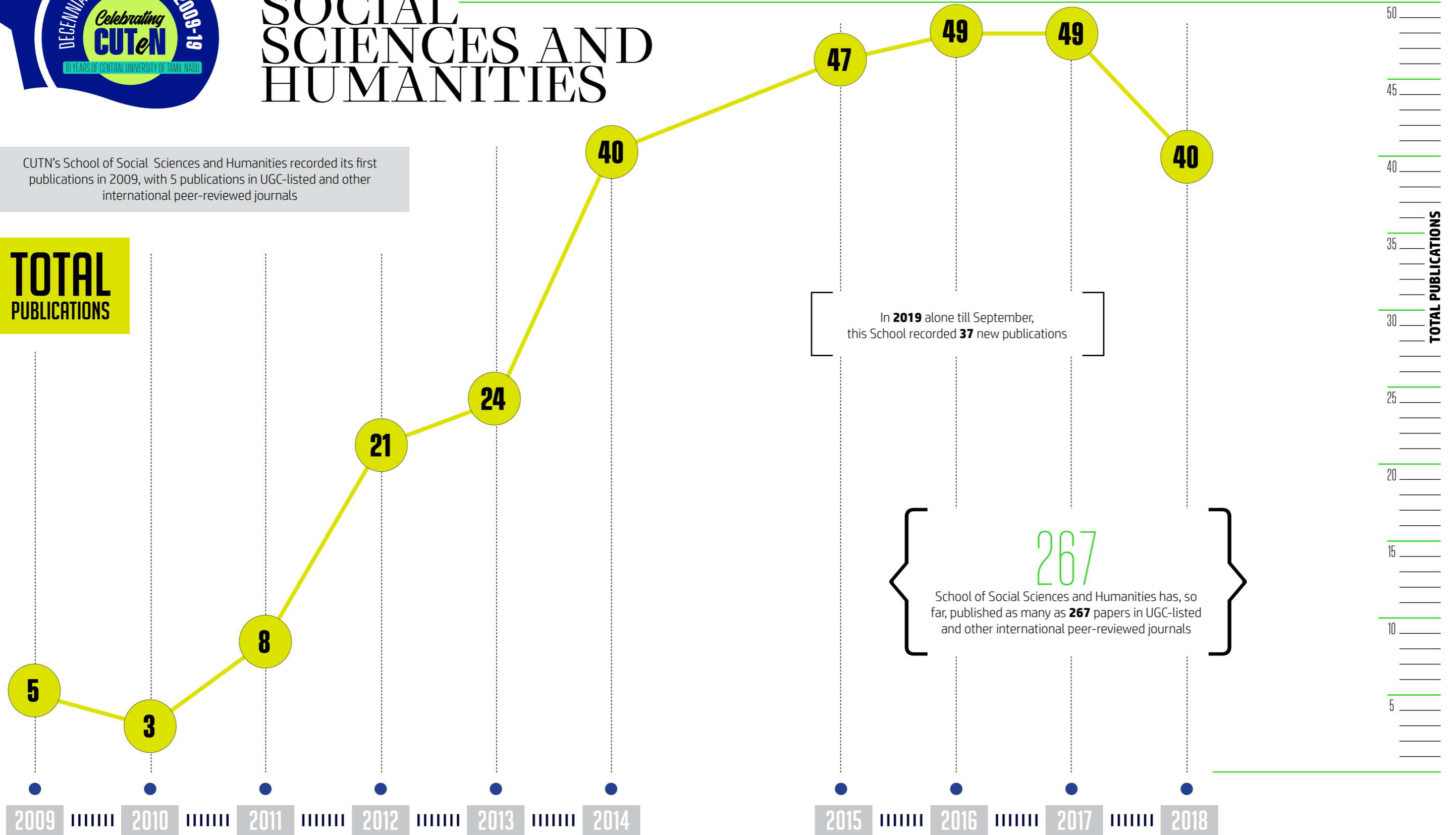
- Chittedi, Krishna Reddy (2015), “Financial Crisis and Contagion Effects to Indian Stock Market: DCC-GERCH Analysis”, Global Business Review, (SAGE).16.1
- Chittedi, Krishna Reddy (2015), “Macroeconomic Variables impact on Stock Prices in a BRIC Stock Markets: An Empirical Analysis” Journals of Stock and Forex Trading, Vol 4(2).
- Prasant Kumar Panda (2015), Fly-paper Effect of Fiscal Transfers in India: A Dynamic Panel Analysis,



SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

CUTN's School of Social Sciences and Humanities recorded its first publications in 2009, with 5 publications in UGC-listed and other international peer-reviewed journals

TOTAL PUBLICATIONS





DEPARTMENT OF ENGLISH

2019

Bhattacharya, Saradindu. (2019). Staging the Human in The Ecstasy of Rita Joe, Rupkatha Journal on Interdisciplinary Studies in Humanities.

2018

Abraham T. J. Gnosis. (2018). Philosophy Matters: Interpretive Communities, Travelogues and Colonialism, 4 (2):38-50.

Dubey, Sushant Kumar. (2018). La lenteur, la quintessence de la vie, Caraivéti. Biannual International Journal of Department of French Studies, Banaras Hindu University, Varanasi.

Dubey, Sushant Kumar. (2018). Le Voyage au bout du sexedans Amours Sauvages de CalixtheBeyala. Caraivéti.

Dubey, Sushant Kumar. (2018). Poverty: A form of violence, ASSONANCE, a peer-reviewed journal of Russian and comparative literary studies of Department of Russian & Comparative Literature, University of Calicut, Kerala.

Dubey, Sushant Kumar. (2018). The Manifestation of identity and otherness in novels The Outlander and Kamoraska, ASSONANCE, a peer-reviewed journal of Russian and comparative literary studies of Department of Russian & Comparative Literature, University of Calicut, Kerala.

Raghupathi, K.V. (2018). Literary Discourse: An Advaita Vedanta Perspective, LTIF, IX. (1).

Raghupathi, K.V. (2018). Four Decades of Journey Through Writings: An Interview with P.Raja, Research Scholar (An International Refereed Journal of Literary Explorations), 6(11):72-78.

2017

Abraham, T. J. (2017). , Theorizing Nation: A Critique of the Myth of Indian Nationalism, Humanities Circle, 5(1):83-92.

Abraham, T. J. (2017). Literature and Literary Theory, Whither Modernity? Musings on an Alternative Paradigm for Education, New Academia: An International Journal of English Language, 6(3):68-75.

Abraham, T. J. (2017). Unhomy India: In Quest of A PaleoecologicSacrality in Yann Martel's Life Of Pi, Asian Journal of English Studies 6(3):121-133.

Bhattacharya, Saradindu. (2017). Embodying Trauma: The Holocaust and Art Spiegelman's Maus, Dioti-

ma's: A Journal of New Readings, 8:79-90.

Raghupathi, K.V. (2017). Abishek and Nadaswaram, Contemporary Literary Review of India (CLRI), p 41-47.

Raghupathi, K.V. (2017). Green Fields, Phenomenal Literature (A Global Journal Devoted to Language and Literature), 2(2): 11.

Raghupathi, K.V. (2017). Surekha in Confusion, Daath-Voyage: An International Journal of Interdisciplinary Studies in English, 2(3):195-196.

Raghupathi, K.V. (2017). The Little Boy, Bhargava, DaathVoyage: An International Journal of Interdisciplinary Studies in English, 2(3):200-202.

Raghupathi, K.V. (2017). There Stands a Tree in the Fields, DaathVoyage: An International Journal of Interdisciplinary Studies in English, 2(3):197.

Raghupathi, K.V. (2017). A Critical Review of T.Vasudeva Reddy's, A Critical Survey of Indo-English Poetry, Poetcrit, XXX(1):163-7.

Selvamony, Nirmal. (2017). The Quandary of Theory, Anekant: A Journal of Polysemic Thought 5 : 87-95.

2016

Bhattacharya, Saradindu. (2016). Magical Technology in Contemporary Fantasy, Fafnir: Nordic Journal of Science Fiction and Fantasy Research, 3(2): 39-46.

Dubey, Sushant Kumar. (2016). Les Prostituéesimmigréesdans les écritsfrançais, Réflexions, a peer-reviewed journal of French and Francophone Studies, published by The English And Foreign Languages University, Hyderabad.

Raghupathi, K.V. (2016). Rev. Aroma of Light by C.N. Srinath. Dhvanyaloka Publications, Mysore, Transfire, Jan-Mar.

Raghupathi, K.V. (2016). Interview with K.V. Raghupathi by Dr. Rita NathKeshari, Verbal Art: A Global Journal Devoted to Poets and Poetry. 2(1).

Raghupathi, K.V. (2016). Scholar-Lunatic, Research Chronicle (International Multidisciplinary Research Journal), IV(III),.

Raghupathi, K.V. (2016). The Unfortunate, Transfire: A Literary Quarterly for Translation, p. 56-66.

Raghupathi, K.V. (2016). Theory and Practice of Eco-Yoga: Thoughts on How Yoga can Help Remedy Environmental Issues, Part - I, The Vedanta Kesari, 103(2), p75-79.

Raghupathi, K.V. (2016). Trunk Box, Verbal Art: A Global Journal Devoted to Poets and Poetry, 2(1).

Raghupathi, K.V. (2016). Wrong Message, Creation and Criticism (an International Peer Reviewed Online Journal), Iss. (3).

Selvamony, Nirmal. (2016). TeriiTaa kaaNaata maiyam, (The Centre Derrida Did Not See). putuppunal, (1) : 19-25.

Selvamony, Nirmal. (2016).. "Can Public Intellectuals Save Sacred Mountains?, Humanities Circle 4 (1)

: 37-54.

Vijayaganesh, A. (2016). NaanUruvaakam (I formation): KannadiPimbamPaarkumNilai (Mirror Stage) PatriyaLacaninPaarvai, (I Formation: Lacan's View on Mirror Stage) Sitredu (a Tamil quarterly journal), 2(4): 32-35.

Vijayaganesh, A. (2016). PaalinamSarnthaArasiyal: OruPaarvai. (Gender Politics: A View) Sitredu(a Tamil quarterly Journal), 2(3): 52-56. I

2015

Selvamony, Nirmal. (2015). From the Anthropocene to the Neo-tiNaicene, Humanities Circle, 3(2): 115-130.

Abraham, T. J. (2015). Scientific News Letter, Towards a Sustainable Ethical Paradigm for Postmodernity: Mohandas K. Gandhi and Emmanuel Levinas, 2(9):98-107.

Raghupathi K. V. (2014). Dhoti and Other Poems by P.Raja. New Delhi: Authorspress, 2014; "Water Bhattacharya, Saradindu.(2015). J.K. Rowling: Author(ing) Celebrity in Critical Insights: Harry Potter. Eds. Grimes, Katherine. & Lana, A., Whited. New York: Salem Press. 224-41.

Vijayaganesh, A.(2015). Adaikolzhi: OruPinnavina-Pirathi, (Adaikolzhi: A Postmodern Text) Sitredu(a Tamil quarterly journal) ,1.5

Muthulekha, J. (2015). Ursula K. Le Guin's Select Science Fiction, Rev. of World of Exileand Illusion, The Dispossessed, The Left Hand of Darkness, and The Telling by Ursula K. Le Guin. The Criterion 6(3): 503-508

Diravidamani, S. & Mahendran, D. (2015). Feminist Literary Criticism, America. Indian Journal of Current Research, p.9.

2014

Selvamony, Nirmal. (2014). Considering the Humanities Ecotheoretically, Journal of Contemporary Thought, 40:5-20.

Selvamony, Nirmal (2014). A New Approach to Indian Art: The Pan Indian Scrubland tiNai Paradigm, Journal of Tamil Studies, 85: 47-53.

Selvamony, Nirmal (2014). paNNaayvu aaRRuppaTai: tiNai icai nookkum tirumuRai icai, (Guiding paN Research: tiNai music-oriented Saivite Hymnal music), 71st Annual Report of pan Research. chennai: tamiz icaic cagkam, (Academy of Tamil Music).

Raghupathi, K. V. (2014). Interview with K.V.Raghupathi by GobindaSahoo, Transfire. .

Raghupathi, K. V.(2014). Alternative Education: A

The Empirical Econometrics and Quantitative Economics Letters, Vol.4(2) ,pp.69-79, ISSN:2286-7147.

Sumalatha B S (2015), 'Agricultural Commodity Futures Trading in India: Participation, Awareness and Capacity Building Programmes' paper published in KASARA Journal of Humanities, Vol 5(2),ISSN 2320-2580.

Sweetey Thomas and Krishna Reddy (2015) "Inclusiveness in Poverty Reduction in India: A great Leap Forward?" Journals of Stock and Forex Trading, Vol 4(1).

2014

Chittedi, Krishna Reddy (2014) "Are Emerging BRIC Stock Markets the Next Developed Markets?"Asian Economic Review, Vol.56 (1).

Chittedi, Krishna Reddy (2014), "Global Financial Crisis and Contagion: Evidence for the 'BRIC' Economies", The Journals of Developing Areas, Vol 48(4), 243-264.

Chittedi, Krishna Reddy (2014)", Financial Development and Instability: A Theoretical Perspective", Journals of Stock and Forex Trading, Vol 3(3).

Srikanth, Maram and Chittedi, Krishna Reddy (2014), "Perspectives on forward Premia in the Indian Foreign Exchange Markets: A study of USD/INR", Journals of Stock and Forex Trading, Vol 3(4).

2013

Balamurugan P (2013), "Revealed Comparative Advantages of the Indian Fruits: An Analysis", The Indian Journals of Economics. Vol. XIVC, No.373, pp.319-354.

Prasant Kumar panda and Aliva Dipali Panda (2013), "Determinants of State level Financing of health: Panel data evidence from southern Indian states", The Empirical Econometrics and Quantitative Economics Letters, Vol. 2(2), pp. 41-52, ISSN: 2286-7147.



Quest for Holistic Learning, University News (a weekly journal of higher education), 52(47):19-24.

Raghupathi, K. V. (2014). Evolution: Darwin, Sufism and Sri Aurobindo, Prabhuddha Bharat, 119(10):569-73.

Raghupathi, K. V. (2014). A Critical Note on P.Raja's 'Five-Headed Arrow'. Contemporary Vibes, 9(36):47-9.

Diravidamani, S. (2014). Improving Oral Communication Skills of the First Generation Students of English, ELTIF.

Diravidamani, S. and SaravanaSelvan, R. (2014). Strategies to Enhance Communication Skills among the First Generation Students at the Tertiary Level. Language in India, p137.

Diravidamani, S. (2014). Multiple Intelligences and Second Language Learning. Language in India, 10(1):137.

2013

Selvamony Nirmal. (2013). Serving Flesh and Fish Blood as Neopostcolonial Poetics." A Review Essay on S. Shankar's *Flesh and Fish Blood: Postcolonialism, Translation and the Vernacular*. U of California P, 2012; Orient Blackswan Private Limited, 2013. ISBN 978 81 250 49883. In *Journal of Contemporary Thought* 37 (2013): 95-112. ISSN 0971-4731.

Abraham, T. J & Vijanakairali. (2013). Green Criticism and Ethics: A Perspective from Derrida and Levinas, 44(8):6-14.

Raghupathi, K.V.(2013). The Headword, Rockpebbles, 7(3).

Raghupathi, K.V. (2013). Patanjali and Sri Aurobindo, PrabhuddhaBharata, 114(5): 531-35.

Raghupathi, K.V. (2013). Water and Religion: An Interface with Deep Ecology, Contemporary Literary ReviewIndia, p62-72.

Raghupathi, K.V. (2013). The Yoga of Divine Love, PrabhuddhaBharata, 118 (9):531-35.

Vijayaganesh. (2013). A. Jeanette Winterson's Oranges Are Not the Only Fruit: Rewriting of Master Narrative of Christian Religious Discourse, Research Journal of English Language and Literature,

1(1):121-126.

Muthulekha, J. (2013). An Echo of Maya in Le Guin's *The Dispossessed*, Journal of Teaching and Research in English Literature, 4(3).

2012

Selvamony Nirmal. (2012). Interrelatedness: tiNai, Ecocriticism and Envirocriticism, Gandhigram Literary Review, 1(1): 61-80.

Selvamony Nirmal. (2012). Revisiting Greenness: A tiNaiological Approach, Eclectic Representations, 2: 172-197.

Raghupathi, K. V. (2012). The Angel, The Journal of Indian Writing in English.

Raghupathi, K. V. (2012). Imagery in T.V.Reddy's Poetry, Poetcrit, XXV(1):115-122.

Raghupathi, K. V. (2012). Philosophy and Literature, The Literati (A transnational peer reviewed journal devoted to English Language and Literature), p10-15.

Raghupathi, K. V. (2012). Between Me and the Babe, The Literati (A transnational peer reviewed journal devoted to English Language and Literature), p10-15.

Raghupathi, K. V. (2012). The Satakas of Yogi Nareyana (translated from Telugu into English) by Srinath, C.N., Dhvanyaloka, Mysore. The Journal of Indian Writing in English, 40(1).

Raghupathi, K. V. (2012). "Woman as fact and Symbol in the fiction of Raja Rao" by RaginiRamachandra, Raghupathi, K. V. (2012). Dhvanyaloka, Mysore. The Journal of Indian Writing in English, Vol. 40, Jan. 2012. No.1

Raghupathi, K. V. (2012). Pride of Place: An Anthology of Telugu Poetry 1981-2000, Ed., Damadao Rao, Hyderabad, The Journal of Indian Writing in English, 42(1).

Raghupathi, K. V. (2012). Imagination in the Poetics of S.T.Coleridge, Wallace Stevens and Sri Aurobindo, Thematic Journal of English Criticism, 1(4):162-65.

Raghupathi, K. V. (2012). Whether Goes Indian English Poetry: Trends, Limitations and Challenges, Thematic Journal of Indian Literature, 2(2):81-85.

Raghupathi, K. V. (2012). Second Inclusion and Exclusion in Indian Poetry in English, Indian Book Chronicle, XXXVII(4):15-16.

Bhattacharya, Saradindu. (2012). Demons and Demos: Voldemort, Democracy and Celebrity Culture, The Looking Glass: New Perspectives in Children's Literature, 16(1).

Bhattacharya, Saradindu. (2012). Digital Sacrality: Gurus, Celebrities and New Cultures of Faith, NMEDIAC: The Journal of New Media and Cul-

ture,8(1).

Bhattacharya, Saradindu. (2012). The Boy Who Lived, to become The Chosen One..., The IUP Journal of English Studies 7(2): 7-17.

Vijayaganesh, A. (2012). The study of Jeanette Winterson's *The Passion* as HistoriographicMetafiction, The Journal for English Language and Literary Studies, 2(4): 42-51.

Subhasshri, R. (2012). Cultural Predicament in ManjuKapur's *The Immigrant*, The Journal of Indian Writing in English, 40(2):58-59.

2011

Abraham, T. J. (2011). RevisioningLevinas for postmodern holiness: Life of Pi as an Exemplar, The EFL Journal, 2(1):37-56.

Abraham, T. J. (2011). Travelogues as Magical Realist: The Travels of Marco polo, Scientific News Letter, 2(16):159-165.

Raghupathi, K. V. (2011). Feminist Criticism and Indian Tradition, LiteraryCriterion, XLVI(1). p.62-77.

Raghupathi, K. V. (2011). Room in a Bogie, International Journal on Multicultural Literature. Ed., Dominic, K.V., 1(1), p210.

Raghupathi, K. V. (2011). Aesthetics of Sri Aurobindo and Tagore, International Journal of English Language and Literature, 1(1)

Raghupathi, K. V. (2011). Poetics of Marginalised Voices in Indian English Poetry, Writers Editors Critics (International Biannual Refereed Journals of Contemporary English Literature), 1(1).

Raghupathi, K. V. (2011). Literary Legend Speaks (Interview by Dr. P.V.Laxmi Prasad), Contemporary Vibes, 6, (24):10-14.

Subhasshri, R. (2011). Trauma of Partition in BapsiSindhwa's, *Ice-Candy-Man*. Voice International. 1: 22-28.

2010

Selvamony Nirmal. (2010). The tiNai Way, Jeevadhara, XL(235):37-46.

Abraham, T. J. (2010). TheVisva-Bharati Quarterly, Postmodernism, Deep Ecology and Corealization: Two Cheers for Arun Joshi's *The Strange case of Billy Biswas*, Volume-18 Number 3 & 4 Volume-19 Number 1 & 2, October-2009 – September – 2010, 81-89, ISSN 0972 – 043X.

Bhattacharya, Saradindu. Mourning Becomes Electronic(a): 9/11 Online, Journal of Creative Communications 5(1): 63-74.

2009

Selvamony Nirmal. & Deborah Susan. (2009). Home in cagkam Love Poetry, Indian Journal of Ecocriticism, I(2):100-107.

Selvamony Nirmal. & Deborah Susan. (2009). "Displacement of Niche in Su. Samuthiram's, *The Third*

Gender. Scott Light: Journal of English Studies 2:57-68.

Alex, Rayson K. & Selvamony, Nirmal. (2009). "Niche in Select Short Stories of Jhumpa Lahari, Indian Journal of Ecocriticism, I(2):108-115.

Selvamony, Nirmal. (2009). Introductory Remarks on Oikosemiotics, Literary Explorer 8(2):1-12.

Abraham, T. J. (2009). Humankind versus Others-in-Law: Re-Visioning Levinas for a Postmodern Hierophany, Journal of Dharma, 34(2).

DEPARTMENT OF HINDI

2019

Narayana Raju, S. V. S. S. (2019). Vaishvikaran ke sandarbh mein sanghrsharat nari Surekha.

Narayana Raju, S. V. S. S. (2019). Forword to Munshi Premchand.

Narayana Raju, S. V. S. S. (2019). Mithkiya Vimarsh, Hindi bhasha aur sahitya nayi sadi mein.

Patel, Madhulika Ben : 'Aadhunik Hindi kavita mein Rashtr ke avdharana (Pratibandhit Hindi kavita ke vishesh sandarbh mein)' at website <https://phanishwarnathrenu.com>, 23 June 2019

Patel, Madhulika Ben : Tamil Natak ke Anushthanik (Prathvadi) Utpatti (Karthigesu shivathambi), English to Hindi Translation - Dr. Madhulika Ben Patel, Srijan Samay (Peer Review e-magazine); Ed. Ashish Kumar, Nitpriya Pralay, ISSN 2456-771X, pp 13-24, March-April 2019

Patel, Madhulika Ben : 'Pracheen Tamil samaj mein Natak (Karthigesu shivathambi)', English to Hindi Translator - Dr. Madhulika Ben Patel, Janakriti (International Peer Review e-magazine) Editor: Kumar Gaurav Mishra, Year 4, Issue 48, ISSN 2454-2725, pp. 70-78, April 2019

Patel, Madhulika Ben : 'Keval ek shabd mein simatata jeevan (Hindi aur Tamil Kahaniyon ke vishesh sandarbh mein)' Janakriti (International Peer Review e-magazine) Editor:Kumar Gaurav Mishra, Year 4, Issue 47, ISSN 2454-2725, pp. 31-35, March 2019

Patel, Madhulika Ben : 'Phoolon wali roti', web link- http://www.rachanakar.org/2019/05/blog-post_63.html May 2019

2018

Narayana Raju, S. V. S. S. (2018). Agar hum log apna rona band kar de to fir humari mukti ho jaye.



- Chandrakala (Sindur ki Holi).
- Narayana Raju, S. V. S. S. (2018). Virodhi Paristhitiyon se ladne wali va jeevan ko sudharne wali stree ka safal chitran. Chhinnamasta, Bhava Veena.
- Ramakumar, A. C. V. (2018). Hypocritical attitudes rooted in fear contrasted with innocence that is forgiving without pomp, in the story "big brother" by prem chand. International journal English language, literature in humanities, 6(10): 85-87.
- Patel, Madhulika Ben : 'Aatmnirbharata ke raah par Kinnar' (Kinnar Vimarsh : Sahitya aur Samaj, Editor- Milan Bishnoi), Publisher- Vidya Prakashan, Kanpur, India, ISBN 978-81-85997-33-0, pp. 86-88, 2018
- Patel, Madhulika Ben : 'Vidyanivas Mishra ke nibandhon mein sanskritik chetana (Hindi Sahitya mein Bharatiya Sanskriti : Punarkhoj; Editor: Ambe Kumari), Publisher- Progressive Book Center, Banaras Hind University, Varanasi, India, ISBN 0978-81-85997-33-0, pp. 97-105, 2018
- Patel, Madhulika Ben : 'Mahila Patrkrita : Azadi ke purv banam Azadi ke baad' Janakriti (International Peer Review e-magazine) Editor: Kumar Gaurav Mishra, Year 3, Issue 34-35, ISSN 2454-2725, February-March 2018
- Patel, Madhulika Ben : 'Vedana aur Mukti Kee kahaanikaar : Alpana Mishra' Janakriti (International Peer Review e-magazine) Editor: Kumar Gaurav Mishra, Year 3, Issue 33, ISSN 2454-2725, January 2018

2017

- Narayana Raju, S. V. S. S. (2017). Bhumandalikaran ke sandarbh mein vaigyanik aur takaniki Hindi, Vishva Bandhu.
- Narayana Raju, S. V. S. S. (2017). Loktantrik aur Sansadiya Vicharon ke Parteeek. Ram, Sahitya ur Samkaleen Chintan.
- Narayana Raju, S. V. S. S. (2017). Mohan Rakesh Krit Adhe-Adhure mein abhinay ke anupam prayog : Ek Purush Char Bhumikayen, Vigmita.
- Anand Patil (2017). Inna Ki Aawaz: Path Aur Pradarshan (Paradhin Sapnehun Sukh Nahin: Kalakar

- Ki Aawaz: Bulandi se Patan Tak. Banas Jan. (21): 336-342.
- Patel, Madhulika Ben : 'Mahila Adhikaar aur Media ki Bhumika' (Media me Mahila, Editor- Basant Kumar Jha & Shashi), Publisher- Anang Prakashan, Delhi, India, ISBN 978-93-80845-37-1, pp. 38-45
- Patel, Madhulika Ben : 'Pratibandhit Hindi Sahitya mein Pravasi Bharatiy' Janakriti (International Peer Review e-magazine) Editor. Kumar Gaurav Mishra, Year 3, Issue 30, ISSN 2454-2725, October 2017
- Patel, Madhulika Ben : Hastkshep Ka kavi: Vinod Kumar Shukl, Garbhnaal, (E. magazine) Editor: Sushma Sharma, Year 7, Issue 6, ISSN 2249-5967, August 2017
- Patel, Madhulika Ben : Lal kranti ke panje mein : Gulami aur daman ke samrajy par vaar karane vaali mahatvpurn kadi' Janakriti (International Peer Review e-magazine) Editor: Kumar Gaurav Mishra, Year 3, Issue 25-26, ISSN 2454-2725, May - June 2017
- Rajnish Mishra, R. (2017). Bhumandalikaran Ke Daur Meain Samacharpatron Meain Upsthit Stri: Dasha Aur Disha. Jansanchar Vimrash, 262.

2016

- Narayana Raju, S. V. S. S. (2016). Andhra Pradesh mein Hindi ke Pathan-Paathan Ki Samasyayen, Hindi Prachar Samachar.
- Narayana Raju, S. V. S. S. (2016). Acharya Mahaveer Prasad Dwivedi ka Patra Sahitya, Bahuvrihi.
- Narayana Raju, S. V. S. S. (2016). 'Ram' ke bare men Mahatma Gandhi ke vichar. Aalochan Drishti,
- Narayana Raju, S. V. S. S. (2016). Peeli aandhi mein nari ke vibhinn parshn. Aalochan Drishti.
- Narayana Raju, S. V. S. S. (2016). Sofia (bulgaria) main Hindi sikshan : samsyayen aur samadham, Kalam CUTN.
- Narayana Raju, S. V. S. S. (2016). naya ghar (telugu mool - maddurai nagesh), Kalam CUTN, 2016.
- Narayana Raju, S. V. S. S. (2016). khel kud patrakrita main hindi anuvad ki bhumika, Kalam CUTN.
- Narayana Raju, S. V. S. S. (2016). Agar hum log rona band kar de to phir hamari mukti ho jaye, Vimal Vimarsh.
- Narayana Raju, S. V. S. S. (2016). Ashirvachan, bhism sahani ki pramukh kahaniyon m vyavstha ka chitran.
- Narayana Raju, S. V. S. S. (2016). Hindi ke aadhunik Pramukh Maha Kaavyon mein Vaigyanik Drishti, Bhumandalikaran ke pariprekshaya mein Sahitya, Samaj, Sanskriti aur Bhasha.
- Narayana Raju, S. V. S. S. (2016). Sofia (Bulgaria) men Hindi shikshan :samsyayen aur samadhan, Vish-

va Maitri.

- Narayana Raju, S. V. S. S. (2016). Trishul : Jatigat samasyayen, Hindi aur Telugu dalit aatmkathaon ka tulnatmak addhyayan.
- Narayana Raju, S. V. S. S. (2016). Rangamanch ke Natak- kar Mohan Rakesh, Kanpur: Aman Prakashan.
- Anand Patil (2016). Nav Aoupniveshik Samaj-Sanskriti Ke Daur Mein Sahitya. Etude. A Multidisciplinary Research Journal II(I): 100-114.
- Kale, Vinayak (2016). Ret main hun jamun jal Tum. Arambh e magazine, 10.
- Patel, Madhulika Ben : 'Pratibandhit Hindi Kavitaen' Saat Krantikari jabtshuda kavya sangrah (Banned Hindi Poems, Seven Revolutionary banned Poetry Collections), Publisher- Swaraj Prakashan, Daryaganj, New Delhi, India, ISBN 978-93-83513-54-3, 2016
- Patel, Madhulika Ben : Nirala kee kavitaon mein Rashtr-Mukti ke prashn (Nirala Sahitya ke vividh Svar; Editor: Dr. Satosh Kumar Pandey), Publisher- Prabh Shri Vishwa Bharati Prakashan, Allahabad, Uttar Pradesh, India, ISBN 978-93-83519-25-5, pp. 28 -33, 2016
- Patel, Madhulika Ben : Apradhi badshah jo ban baitha' Strikaal, Editor: Sanjeev Chandan ISSN 2394-093X, at web- <http://streekaal.com/2016/11/criminalinchair-atrocityagainstwomen/>, November 2016

2015

- Narayana Raju, S. V. S. S. (2015). Bhumandalikaran aur aadhunik Hindi kahani, (Chitra Mudgal ke vishesh sandarbh mein) U.G.C. National Seminar, S.D.M.S.College, Vijayawada. .
- Narayana Raju, S. V. S. S. (2015). Aadhunik Hindi upanyas aur stri vimarsh, saraswati.
- Narayana Raju, S. V. S. S. (2015). Mulya bhrasht yug ka Yatharth ankan: 'Pair tale ki jameen', Yogyata.
- Narayana Raju, S. V. S. S. (2015). Strivad ke nepathya mein draupadi ke charitra ka prastutikaran, Yogyata.
- Narayana Raju, S. V. S. S. (2015). Draupadhi ke charitra ko neya sire se prakash mein lane ka pratham prayas, Sahitya Sethu.
- Narayana Raju, S. V. S. S. (2015). 'Komal Gandhar' mein Chitrit Gandhari ke vibhinn aayam, Shabdh vidhan.
- Narayana Raju, S. V. S. S. (2015). Dalit tatha patito ke uddharak ke roop mein viswamitr, Shabdh vidhan.
- Narayana Raju, S. V. S. S. (2015). 'Trishul' mein Chitrit jatigat samsyayen, University Hindi Journal.
- Narayana Raju, S. V. S. S. (2015). Nari swabhav ke vibhinn ayomon ka safal Pratik: Shilvati, Amar Akshara.
- Narayana Raju, S. V. S. S. (2015). Kavi Kalidas ki Prati-bha ki Poojarin: Mallika, Yogyata.

- Narayana Raju, S. V. S. S. (2015). Mahatma Gandhi Aur Ram, Hindi Prachar samachar.
- Narayana Raju, S. V. S. S. (2015). Mohan Rakesh : vyakthi evam rachana, New Delhi: Akadamik Pratibha.
- Anand Patil (2015). Jansanchar Mein Anuvaad: Arth, Samya Evam Sambhavanayein. Setu. 37-44.

2014

- Narayana Raju, S. V. S. S. (2014). Nayee kavita evam vachan kavita mein bimbh vidhan, saraswathi.5. Suryamukh aur aadhunik sandarbh, Yogyata.
- Narayana Raju, S. V. S. S. (2014). Europe mein Hindi sikshan: samsyayen aur samadhan, Hindi prachar samachar.
- Narayana Raju, S. V. S. S. (2014). Suryamukh aur aadhunik sandarbh, Dakshin Bharath.
- Narayana Raju, S. V. S. S. (2014). Aadhunik Hindi upanyas aur stri vimarsh, Sahitya Sethu.
- Narayana Raju, S. V. S. S. (2014). Hindi aur Telugu kavya mein abhivyakt rashtriya ekata, Yogyata.
- Narayana Raju, S. V. S. S. (2014). Rangshilpagat prayogadharmita aur 'Laharon ke Rajhans' mein abhinay ki kushalata, Sankalya.
- Narayana Raju, S. V. S. S. (2014). Atmavishwas evam manav swabhiman ke sandharbh mein Dr.Dharmaveer Bharati ke kavya, Shabdh vidhan.
- Narayana Raju, S. V. S. S. (2014). 'Aashd ka Ek Din' Aur Mallika, Dakshina Bharat.
- Narayana Raju, S. V. S. S. (2014). Vaigyanik aur takaniki Hindi, University Hindi journal.
- Narayana Raju, S. V. S. S. (2014). 'Laharon ke Rajhans' aur Sundari, Sahitya setu.
- Narayana Raju, S. V. S. S. (2014). 'Sanshay ki ek raat' aur yugeen sandarbh, Yogyata.
- Narayana Raju, S. V. S. S. (2014). Moolyanveshak kavi Dr. Dharmaveer Bharathi, New Delhi: Lekhani Prakashan.
- Anand Patil (2014). Peepal Paat Saris Mann Dola: Shamsher ko Padhate Huye. Setu. 75-81.

2013

- Narayana Raju, S. V. S. S. (2013). Mohan Rakesh ke Natakon Mein Vasthugath Prayog, New Delhi: Lekhani Prakashan.
- Narayana Raju, S. V. S. S. (2013). Gangasaran Singh purasakar vijeta Prof. S.A.Suryanarayana varma, Sankalya.
- Narayana Raju, S. V. S. S. (2013). Kavi evam pracharak shri kaja venkateswara rao, Andhra Pradesh mein Hindi sahitya ke vikas Ka itihash.
- Anand Patil (2013). Kala Mein Maulikata Jise Kahate Hai, Prayah Bhinnata Hoti Hai. Arun Prakash Ke Saath Baatchee (Interview), Banaas Jan. 96-112.



- Anand Patil (2013). Arun Ki Arunodayi Prabha Mein Snaat (Reminiscence). Prasang. 21-31.
- Anand Patil (2013). Mundahu Aankh Kahahu Kachhu Nah: Viashwikarn ke Takaje aur bahane. Aad-hunik Sahitya. 11-22.

2012

- Narayana Raju, S. V. S. S. (2012). Andha yug mein Chitrit manav-visistatha. ANU journal of Humanities.
- Anand Patil (2012). Hindi Natyalochan Ki Chunauiyan. In Anil Patang (Ed.), Rang Abhiyan-23 (pp. 16-21). Bihar:Natya Vidyalaya.
- Anand Patil (2012). Maya Mari Na Mann Mara, Mar Mar Gaya... (Reminiscence). In Shikshyan-2012, 2:103-108. New Delhi: Department of Higher Education, Ministry of Human Resource Development.

DEPARTMENT OF HISTORY

2019

- Kanagarathinam, D.V. (2019). Revitalisation of Ayurveda in colonial Tamil region and contributions of Pandit Srinivasa Narayana Iyengar – A historical perspective, *Journal of Ayurveda and integrative medicine*, p 1-7.
- Rao, Seelam Srinivasa. (2019). Gurudev Rabindranath Tagore literature influence on Telugu society during the colonial period, *Pramana Research Journal* 9(3): 688-693.
- Rao, Seelam Srinivasa. (2019). Social Contradictions and the legacy of Kandukuri Veeresalingam in Andhra, *Review of Research* 8(5): 1-6.

2018

- Kanagarathinam, D.V. (2018). Evolution of 'Indigenous' Medical Practices in Tamilagam (Up to 16th CE): A Historical Study, *Historicity Research Journal*, 4(8): 1-7.

- Kanagarathinam, D.V. (2018). Hybrid Medical Tradition and Plural Medical Practices in Colonial Tamil Region, *New Man International Journal of Multi-disciplinary Studies*, 5 (2):22-27.
- Kanagarathinam, D.V. (2018). Indigenous and Western Medicine in Colonial South India: Nature of Discourses and Impact, *Indian Journal of History of Science*, 53(2): 182-204 .
- Kanagarathinam, D.V. (2018). Revitalisation of Ayurveda: Institutionalisation and Standardisation of Medicine in Colonial South India, *Journal of Indian History and Culture*, 24: 241- 267

2017

- Thakur, Bithin. (2017). Rewriting the days of Subhas Chandra Bose in Andamans during the Japanese occupation in 1943, *New Man International Journal of Multidisciplinary Studies*, 4 (10) :55-60

DEPARTMENT OF SOCIAL WORK

2019

- Bhatia, Shweta Malhotra., & P Sigamani, (2019). Globalization and its Impact on Business Education in Emerging Economies: A Case of India. *South Asian Journal of Human Resource Management*. Sage, <https://doi.org/10.1177%2F2322093719838076>.
- Chitra, K. P. (2019). Encountering Alienation: An Analysis of Inter-state Migrant workers from the North Indian States in Kerala'. P. Sigamani et al.(eds), 2019, *Health, Safety and Well-Being of Workers in the Informal Sector in India - Lessons for Emerging Economies*, Singapore, Springer, eBook ISBN: 978-981-13-8421-9, Hardcover ISBN: 978-981-13-8420-2.
- Chitra, K. P. (2019). Trauma Care Policy and Legal Framework in India: A critical review'. P. Sigamani, Raja Meenakshi and Khan N U (eds), 2019, *Public Health Relevance of Road Traffic Injury in India*, New Delhi, Bloomsbury ISBN: 9789389000627.
- Karunakaran Prasanna Chitra. (2019). Book Review of 'MadhuraSwaminathan and SandipanBaksi, eds., How Do Small Farmers Fare? Evidence from Village Studies in India'. *International Sociology*. London: Sage.

- Mamman Joseph, C., Vithya, V., Neethu, P. S. & Sigamani Panneer (2019). Relevance of Multi-Sectoral Perspective in Health and Well-being (Introduction), in Mamman Joseph C, Vithya V, Neethu P S and Sigamani Panneer (eds), 2019, *Health and Well-Being in A Multi Sectoral Perspective- Recent Trends, Challenges and Opportunities*, New Delhi, Bloomsbury, 9789388134996.
- Mamman Joseph, C., Vithya, V., Neethu, P. S., & Sigamani Panneer (eds), (2019) *Health and Well-Being in A Multi Sectoral Perspective- Recent Trends, Challenges and Opportunities*, New Delhi, Bloomsbury, 9789388134996
- Nagarajan Sivakami, & Ilango Ponnusamy (2019). Mainstreaming Women Self-help groups to promote Social and Solidarity economy: Lessons from rural areas of Tamil nadu, South India published in the Knowledge Hub of UNTFSSSE. <http://unsse.org/knowledge-hub/> UNITED NATIONS INTER AGENCY TASK FORCE ON SOCIAL AND SOLIDARITY ECONOMY.
- Neelam Sukhramani, Shweta Verma, Shivangi Gupta, Nandan Kumar Mishra, Navnee Gupta, & Sigamani Panneer (eds), (2019). *Children of Incarcerated Parents: Experiences and Impacts: A Source Book*, New Delhi, Bloomsbury, ISBN: 9789388630740
- Pathak, K., & Subudhi, C. (2019). A book review of "Development paradigm for urban housing in BRICS countries" Edited by Piyush Tiwary, Jyoti Rao and Jennifer Day. *International Journal of Community and Social Development*, SAGE publication.
- Sigamani P., Sanghmitra Acharya., & Sivakami, N., (eds), (2019). *Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies*. Singapore, Springer, eBook ISBN: 978-981-13-8421-9, Hardcover ISBN: 978-981-13-8420-2.
- Sigamani, P. (2019). *Health and Safety of Women Workers in Informal Sector: Evidences from Construction and Beedi Rolling Works in India* in P. Sigamani, Sanghmitra Acharya and N Sivakami (eds), *Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies*, New Delhi, Springer (forthcoming).
- Sigamani, P. (2019). *Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies (Introduction)* in P. Sigamani, Sanghmitra Acharya and N Sivakami (eds), 2019, *Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies*, New Delhi, Springer (forthcoming).
- Sigamani, P., Raja Meenakshi, & Khan, N.U, (2019). *Road Traffic Injury and Public Health-Introduction* in P. Sigamani, Raja Meenakshi and Khan N U (eds), 2019, *Public Health Relevance of Road*

- Traffic Injury in India, New Delhi, Bloomsbury (Forthcomming).
- Sigamani, P., Raja Meenakshi., & Khan, N. U. (eds), (2019). *Public Health Relevance of Road Traffic Injury in India*, New Delhi, Bloomsbury ISBN: 9789389000627.
- Sigamani, P., Sanghmitra Acharya, & N Sivakami (eds), (2019). *Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies*, Singapore, Springer, eBook ISBN: 978-981-13-8421-9, Hardcover ISBN: 978-981-13-8420-2.
- Sivakami, N. (2019). Social Constructs of Surrogacy - The Indian perspective in P. Sigamani, Sanghmitra Acharya and N Sivakami (eds). *Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies*, New Delhi, Springer (forthcoming).
- Sivakami, N., & Prabhu Arulnathan. (2019). *Preventing Children Against Juvenile Delinquency : Need for Social Work Intervention in Indian Schools*. *International Journal of Research and Analytical Reviews (IJRAR)*. IJRAR (www.ijrar.org), Volume 6 issue 1st March 2019, Paper id: IJRAR 19J3611, Registration ID : 19985
- Srinivasan, P., & Subudhi, C. (2019). *Psycho-social Perspectives of Mental Health and Wellbeing (IGI Global) (ISBN10: 1799811859)* (forthcoming).
- Subudhi, C. (2019). Use of Explanatory Model Interview Catalogue in Mental Illness Research. *Journal of Integrated Health Sciences* (Accepted).
- Subudhi, C., & Greeshma, P. V. (2019). *Psycho-Social Impact of Flood among School Going Children in Kerala: A Study of 2018 Flood*. In Srinivasan & Subudhi (Eds) *Psycho-social Perspectives of Mental Health and Wellbeing*. IGI Global
- Subudhi, C., Biswal, R., & Srinivasan, P. (2019). *Marriage Trajectories among Patient with Mental Health Problem*, *Indian Journal of Public Health Research & Development*. (Accepted). SCOPUS.
- Subudhi, C., Mohapatra, B., & Srinivasan, P. (2019). A study on quality of life among individual with special needs working in unorganised sector. In Sigamani, P. et al. (Eds.) *Health, Safety and Well-Being of Workers in the Informal Sector*. Springer Nature.
- Subudhi, C., Padmanaban, S., & George A. (2019). *Health care support among elderly tribal women in Wayanad district of Kerala, India*. In Anuratha K. (Eds). *Health & wellbeing of women and children*. Pragma Publication. (ISBN: 978-93-84845-8).
- Udhayakumar, P., Vidhya, V. & Srinivasan, C. (2019).



Emotional Intelligence of Rural Undergraduate Students. *International Journal of Social Science Review*, 7(2): 206-208.

2018

- Chitra, K.P. (2018). Legal Framework for Land Acquisition: The gaps, paradoxes and the flaws', Chapter in an edited book to be published by Routledge India (Accepted for publication, forthcoming).
- Khan, N. U., Sigamani, P., Sarika Tomar Shweta Malhotra, (2018). Relevance of Anthropology in Management Education In India, *International Journal of Business Anthropology*, 7 (1): 85-97 (Cambridge Scholars Publishing), ISSN: 2155-6237.
- Kumar, Ravindra & Chitra, K. P. (2018). Demonetisation in a drought affected region: A study among small and marginal farmers in Thiruvavur district, Tamil Nadu. *Compendium of the 4th International Conference on Economic Growth and Sustainable Development: Emerging Trends* November 23-24, 2018, Mysuru, India. ISBN 978-93-83302-34-5.
- Lando, H. A., Kabir, Z., Mohan, P., & Sigamani P. (2018). Analysis of the Effect of Bidi Regulations and its Influence on Tobacco Control in India, *BMC Tobacco Induced Diseases*, Suppl 1, 16(1) DOI 10.18332/tid/84535. (IF 2.092).
- Lando, H.A., Mohan, P., & Sigamani, P., (2018). Policy Action for Health Professionals Involvement in Tobacco Control, *BMC Tobacco Induced Diseases*, 16(1) Suppl 1, DOI 10.18332/tid/84488, IF 2.092 (Abs).
- Priya, M., Harry A Lando, & Sigamani P, (2018). Assessment of Tobacco Consumption and Control in India, *Indian Journal of Clinical Medicine*, (Sage) Publication, 9:1-8.
- Sigamani, P., & Raja Meenakshi, J., (2018). Evidence Based Practice :A Methodology for sustainable models in the Helping Profession (Youth Development). *Models of Youth Development in Developing Countries*. New Delhi: Don Bosco Youth Animation South Asia, (forthcoming).
- Sigamani, P., & Raja Meenakshi, J., (2018). Relevance of Human Capital and Labour Management Special-

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

ization in Post Graduate Level Programmes in Social Work. *Relevance on Social Work Profession*. New Delhi: Bloomsbury Publishing India Pvt Ltd, ISBN:9789387863071.

- Subudhi, C., Srinivasan, P., & Mohapatra, B. (2018). Mental Health Literacy among University Students. *American Journal of Educational Research*, 6(4), 365-369.
- Sukhramani, N., Verma, S., Gupta, S., Hassan, S., Vaz, M., Panneer, Sigamani., . . . John, D. (2018). Educational Outcomes and Behavioural Problems among Children of Incarcerated Parents: A Systematic Review. (TRF) Title. Campbell Collaboration. Retrieved from <https://campbellcollaboration.org/library/children-of-incarcerated-parents.html>
- Tian Robert, Sigamani Panneer, & Malhotra, S. (2018) *Business Anthropology*, The International Encyclopedia of Anthropology, London. John Wiley, ISBN: 9781118924396.
- Udhayaumar, P., & Ilango, P. (2018). Psychological Wellbeing among college students. *Journal of Social Work Education and Practice*, Vol. 3(2), Pp. 79- 89.

2017

- Biswal, R., Subudhi, C., & Acharya, S. (2017) Healers and Healing Practices of Mental Illness in India: The Role of Proposed Eclectic Healing Model, *Journal of Health Research and Reviews*, 4(3).
- Chitra, K.P. (2017). 'vikasanathintesookshmaakhyanganal' vimochanadhara. *Trimonthly Malayalam Magazine, Kerala*. Volume 2. July 2017
- Dash, A. P., Jayalakshmi Krishnan, Sigamani, P., Shankar, E. M., & Chattopadhyay, I., (2017). Vector and Vector-Borne Diseases: Pathobiological Insights, *Public Health Challenges and Management Strategies* (eds), New Delhi, Bloomsbury, ISBN: 978-93-86432-36-0.
- Johnson Palakkappillil, & Chitra, K. P. (2017). 'Criminality among youth and recidivism'. *The Journal of Development Practice*. Volume 3.
- Khan, N. U., Priya, M., & Sigamani, P (2017). Concerns in Public Health Practice in India, (eds), New Delhi, Bloomsbury, ISBN: 978-93-86432-61-2.
- Mehta, A. R., Sigamani., P., Ghosh-Jerath, S., & Racine, E. F. (2017). Factors Associated With Extended Breastfeeding in India. *Journal of Human Lactation*, (Sage) 33(1), 140-148.
- Mohan, M. C., & Sigamani. P., (2017). Public Private Partnership: A Developing Trend in the Health Care Sector in India, *Journal of Social Work Education and Practice*, 2 (1), 17-24, ISSN: 2456-2068.

- Muttiah Barathan, Rosmawati Mohamed, Jamuna Vadivelu, Li Yen Chang, Ramachandran Vignesh, Jayalakshmi Krishnan, Sigamani, P., Alireza Saeidi, M., Ravishankar Rama, Vijayakumar Velu, Marie Larsson, F., & Esaki M. (2017). CD8+ T cells of chronic HCV-infected patients express multiple negative immune checkpoints following stimulation with HCV peptides. *Cellular Immunology*, 313, 1-9.
- Priya, M., & Sigamani, P., (2017). Situational Analysis of Dental Healthcare Infrastructure in India in N. U. Khan, Priya M and P. Sigamani (eds) *Concerns in Public Health Practice in India*, New Delhi: Bloomsbury, ISBN: 978-93-86432-61-2.
- Priya, M., Lando, H., & Sigamani, P. (2017). Taxation on Tobacco in India: Tool for Tobacco Control, *Economic and Political Weekly*, 52(15), 20-23, ISSN (Online) - 2349-8846, ISSN (Print): 0012-9976.
- Rubavel. M., & Bose. S., (2017), SHGs and Social Responsibility, *Women in Contemporary Society*, New Delhi, Discovery Publishing House Pvt Ltd,
- Rubavel. M., & Henry Rozario. J., (2017). Women Empowerment Through Self-help Groups in India, New Delhi, Discovery Publishing House Pvt. Ltd.
- Sigamani, P., & Shardha, M. (2017). Health and Safety of Non-Agricultural Laborers in India -Need for Occupational Health System Management, in Sivashankar (ed), *Economic Development and Social Sector Inequality*, Bloomsbury Prime, PP 57-71, ISBN: 978-93-86826-59-6.
- Sivakami, N. (2017). Adjustment of Married Women working in the information Technology Sector in South India. *International Journal of Research in Social Sciences* Volume. 7 Issue 4, April 2017, ISSN: 2249-2496. *International Peer Reviewed Journal*.
- Sivakami, N. (2017). Gender Barriers Faced by Women in Technology Sector in The Online International Interdisciplinary Research Journal/ Vol 7(4)(UGC LISTED).
- Sivakami, N., (2017) Role of Women in the 21st Century: Reflections from the Urban working women in Chennai. *Journal for Economics and Business Management* : (ISSN:2250-2750).
- Sivakami, N., (2017). Adjustment of Married Women working in the information Technology Sector in South India. *International Journal of Research in Social Sciences* Vol. 7 Issue 4, April 2017, ISSN: 2249-2496.
- Sivakami, N., (2017). Gender Barriers Faced by Women in Technology Sector in The Online International Interdisciplinary Research Journal/ Vol 7(4)(UGC LISTED).
- Subudhi, C., & Maharana, K. (2017). Why people with Mental Illness preferred Traditional healers? An empirical review. (In progress).

- Sukhramani, N., Hassan, S., & Sigamani, P., (2017). Children of Incarcerated Parents in India: the Unchartered Territory, *Indian Police Journal*, The Bureau of Police Research and Development (BPRD), Ministry of Home Affairs (Government of India), 64 (1): 54-59, ISSN: 0537-2429.

2016

- Chitra, K. P. (2016). Claiming the public sphere: Menstrual taboos and the rising dissent in India. *Agenda*. ISSN 1013-0950 (Print) 2158 – 978X (Online) Taylor & Francis.
- Chitra, K. P. (2016). How Kerala is destroying its wetlands. *Economic and Political Weekly* (ISSN (Online) - 2349-8846), 51(22).
- Sigamani, P., & Mathur, S. (2016). Problems and prospects of occupational health infrastructure in India. *The Indian Journal of Labour Economics* (Springer), 59(1), 165-170.
- Sigamani, P., & Shardha M, (2016). A Study of Occupational Health and Safety of Women Labourers in Mining Industry in India, in Iqbal Naved and S Al-eem (eds), *Psychological Issues and Interventions in Health and Well-being*, New Delhi, Excel India Publishers, PP 369-381, ISBN 978-93-85777332.
- Sivakami, N., (2016), Role of Women in the 21st Century: Reflections from the Urban working women in Chennai *Journal for Economics and Business Management*:(ISSN:2250-2750) *International Peer-reviewed Journal*.

2015

- Ilango, P., & Udhayakumar, P. (2015). Gerontological Mental Health in India. In: *Mental Health and Ageing: Global Perspective*, Nova Science Publishers, Inc.: Hauppauge, New York.
- Udhayakumar, P., & Ilango, P. (2015). Spirituality and Wellbeing among the Older Persons. *The 2nd International Social Work Conference (Conference Proceedings)*, Perpustakaan Negara Malaysia Cataloging- in- Publication: Malaysia, Pp. 153 – 164.

2014

- Udhayakumar, P., Ilango, P., and Siji Mary Koshy (2014). Emotional Intelligence among the Employees working in Industries. *International Journal of Applied Management Research*, Vol.6 (Special Issue), Pp. 372-374.

2013

- Ilango, P., & Udhayakumar, P. (2013). Mental Health and Wellbeing among Older Persons: Gerontological Social Work Perspectives. In: *Social Work and*



Mental Health- Areas of Practice, Challenges and Way Forward, Sage Publishers, New Delhi, India, Pp. 164-175.

DEPARTMENT OF TAMIL

2018

- Velmurugan, P.(2018). Nāmakkaḷ Kaviṅṅariṅ Vācippil Tirukkuṛaḷ LFS (LITERARY FINDINGS) a new bilingual International Journal of Multi-Disciplinary Research (English & Tamil), 6(12).
Subash, S. (2018). Kuṛuntokaiyil Vāḷvīyal Cintāṅkaḷ. Ayidha Ezhuthu, 88-90.
Rameshkumar, V. (2018). Tolkappiyar koorum paṅpattu koorukaḷ. Journal of Classical Tamil, 6(3).
Rameshkumar, V. (2018). Pattuppāṭṭiṅ Araciyaḷ Aram. Ayidha Ezhuthu, 9.
Rameshkumar, V. (2018). Malaiyina makkalin nattupura padalum Aattakalaiyum. Indian Tribals & Folklore.
Senthamarai, S. (2018) Tirukkuṛaḷil Talaimaip Paṅpukaḷ, Shanlax, 3:60-66.
Viramourogan, M. (2018) Paṅpātu Pēcum Pattuppāṭṭu, Ayidha Ezhuthu, 49-53.

2017

- Kumar, P. (2017). kuṛuntokai uraiyācīriyarkaḷ - pāṭam, poruḷ kūrūm muṛai. Journal of Classical Tamil, 5:172-180.
Velmurugan, P. (2017). Mulapaada Ayviya Inookkil Pulavar Peyar Verupaadukaḷ. PEYAL - An Internationally Refereed Journal of Tamil Studies, 03 : 46- 57.
Nachimuthu, K. (2017). Tamilil Ilakkiyat tiranayvuk kotpatukalum Anukumuraikalum Marapum Putumaiyum. Arimanookku, 4-12.
Vanitha, M. (2017). kālantōgum peṅṅeluttukkaḷ muṅṅolīyūm araciyaḷ. Journal of Pudhupunal, 34-39.

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

2016

- Velmurugan, P. (2016). kavitaiyumkalaiyum (POETRY AND ART). Peyal
Velmurugan, P. (2016) 'PAIYA', 'MELLA' Sanga Illakiyangalai Munvaithu. Journal of Classical Tamil (A Quarterly International Multilateral Tamizh Journal), 2005 - 2012.
Kumar, P. (2016). tolkāppiya ilakkaṅak kōtpāṭukaḷum kaṅṅimolīyiyālvūm. Journal of Modern Tamizh Research, 5-9.
Sathish, G. (2016). caṅkākāla tīṅaiḷkaḷ camūka, poruḷātārap paṅpāṭṭu māṛram paṅṅiya māṅṅiaviyaḷ karuttākkam. Neytal Kālāṅṅuāyvu Itāḷ, 29-42.
Sathish, G. (2016). caṅkākālatīṅaiḷkaḷ mullaittīṅai paṅṅiya māṅṅiaviyaḷ karuttākkam. Uṅkaḷnūlakam-māṅṅaitāḷ, 56-62.
Saravanan, S. (2016). aikāramneṅṅeluttā?. An International Journal on Puthiya Panuval, 7:71-77.
Vanitha, M. (2016). tamiḷavaṅṅiṅ kataikaḷiṅ taṅṅippōkkukaḷ, Journal of Kanaiyazhi, 52: 32-37.
Vanitha, M. (2016). vācakap pārvaiyīṅ ūṅāka naṅṅanak-kāriyāṅa 35 vayatu eḷuttāḷar. Journal of Pudhupunal, 7:35-37.
Vanitha, M. (2016). talit peṅṅaippukaḷil peṅṅāḷiṅam. Journal of Pudhupunal, 7: 35-40.

2015

- Velmurugan, P. (2015). Kon' - Idaicol: Ilakkana Marapum Ilakkiyaḷ Pathivum. Peyal - An Internationally Refereed Journal of Tamil Studies, 76 - 76.
Nachimuthu, K. (2015). Ilakkiya Muzhumaiyai Nokki Dalit Ilakkiyam, Arimanookku, 8(4): 60 - 63.
Nachimuthu, K. (2015). Tirukkural Cila Maarruppaarvaikal, Peyal, 50 - 60.
Nachimuthu, K. (2015). Tolkaappiya Ilakkiyaḷ kotpatukalum Inraiya Ilakkiyappataippukalum. Sitredu, (1)5:60-65.
Nachimuthu, K. (2015). Itakkala Samooka Varalarril Or Edu Panpaattu Velicham Panmukappavai, 124-133.
Nachimuthu, K. (2015). Dr.Rama: In my View. Ramabhiyana, 209-211.
Nachimuthu, K. (2015). Caldwellin Tanit Tanmai Kaldvellingin Tamikkodai, 25-35.
Nachimuthu, K. (2015). Tamil Naval Ilakkiyappokkukaḷ. Sahitya Akademi, 17 - 24.
Nachimuthu, K. (2015). Keralattil Samooka Neetipporatankal. Parai.
Kumar, P. (2015). paṅṅait tamiḷariṅ uḷnāṅṅu vāṅṅikattil paṅṅamāṅṅu muṛai. Journal of Modern Tamizh Research, 75 - 81.
Kumar, P. (2015). caṅka akappāṅṅiṅ karuttuppuḷappāṅṅiḷ

kūrū. Journal of Modern Tamizh Research, 20 - 26.

- Saravanan, S., (2015). TirukkuRaLil tanmai vikutikaḷ - moliyiyal pa:rvai. International Journal of Linguistics and Computational Applications, 2(3): 73 - 77.
Saravanan, S., (2015). Peyareccam (Relative Participle in Tamil). Today Ithazh, 32 - 38.
Saravanan, S., (2015). Non-past in Old Tamil. VI.Subramoniam Commemoration, 1: 219 - 227.
Velmurugan, P. (2015). Sanga Ilakkiyaththil Sirpakkalai. (Fine Arts of Sangam Literature; Publisher- Dept. of Tamil, N. G. M. College, Pollachi), 141 - 152.
Sathish, G. (2015). Kuruthip poovin kulai kaandalum Tamil Padimalk kavithaiyum (Image in Tamil Literature). Today Ithazh International Journal, 32 - 38.
Sathish, G. (2015). Ellis contribution on Dravidian Languages International Seminar on reconstructing Classical Tamil Traditions: Global Quest, 230 - 235.
Sathish, G. (2015). Birds image in Tamil Classical Literature an Anthropological view. Arima Nookku, (66 - 68).
Sathish, G. (2015). Uraiyyal No:kkil Kalittokai uraikkaTTamaippu Kalittokai: Patippu. Urai iyalpukaḷ, 172 - 187.
Vanitha, M. (2015), Oru Tamizh Kathaiyil Laccanin Realum Simbolicum. Sitredu, 24 - 29.

2014

- Nachimuthu, K., (2014). Gnani Enroru Gnani, Gnani 80. Puthupunal, 5: 11-14.
Sathish, G. (2014). Hen in Tamil Sangam Literature an historical view. Ungal Noolagam, 56 - 60.
Vanitha, M. (2014). Thamizhavanin Musalpani Navalai Vasippathu Eppadi - Oru Parvai. Sitredu, 19 - 25.
Vanitha, M. (2014). Navinallakkiyaththil Ulla Sikkal. Sitredu, 64 - 67.
Thirunavukkarasu, M. (2014). Tholviyai Nokki Thamizh Cinimaa. Sitredu, 32 - 35.
Thirunavukkarasu, M. (2014), Musalpani Udaaga Vasagan Uruvaakkum Kathaimozhi. Sitredu, 51 - 55.
Gopala Desikan, K.E. (2015). Nyayasiddhantamanjaryanusarena Najntatpurusha Vichara, (pp.82 - 85) Sastrartha Dipika.
Gopala Desikan, K.E. (2014). Didhitikarokta Kevalavyatirekikhandanam (pp. 141 - 145) Sastrartha Dipika.
Gopala Desikan, K.E. (2014), Prachinamathareethya Dwiteeyavibhakthyarthavichara, (pp.104 - 107) Sastrartha Dipika.
Geetha, J. (2014). Tolkāppiyam, Viracōliyam, Nēminātam : Itaiccorḷkaḷ. Arima Nooku, 21-27.
Velmurugan, P. (2014), Izhap pen kavignāikalin porkural : Sanga Erppum Miiralum. Modern Tamil Research, 159 - 167.

Sathish, G. (2014). Clan tradition and continuation in Tamil Classical literature. Ungal Noolagam, 30-36.

2013

- Vanitha, M. (2013). Kutti Revathiyum Narrinaiyum. Sitredu, 16-19.
Vanitha, M. (2013). Kanimozhiyum Narrinaiyum. Sitredu, 57-59.
Vanitha, M. (2013). Ilampiraiyum Akanaanuorum. Sitredu, 48-51.
Gopala Desikan, K.E. (2013). Kevalavyatirekyanumanam. Pramana Tattva Dipika, 156-161.
Thirunavukkarasu, M. (2013). Thamizh Cinimaa Avil Azhinthuvarum Heroisam. Sitredu, 50 - 53.
Thirunavukkarasu, M. (2013). Thamizh Cinimaa: Piramaandamum Satharanamum" Sitredu, 26 - 28.
Saravanan, S. (2013). The Pronominal Terminations of Second Person Singular in Early Tamil. Arimaa Nookku, 14 - 16.

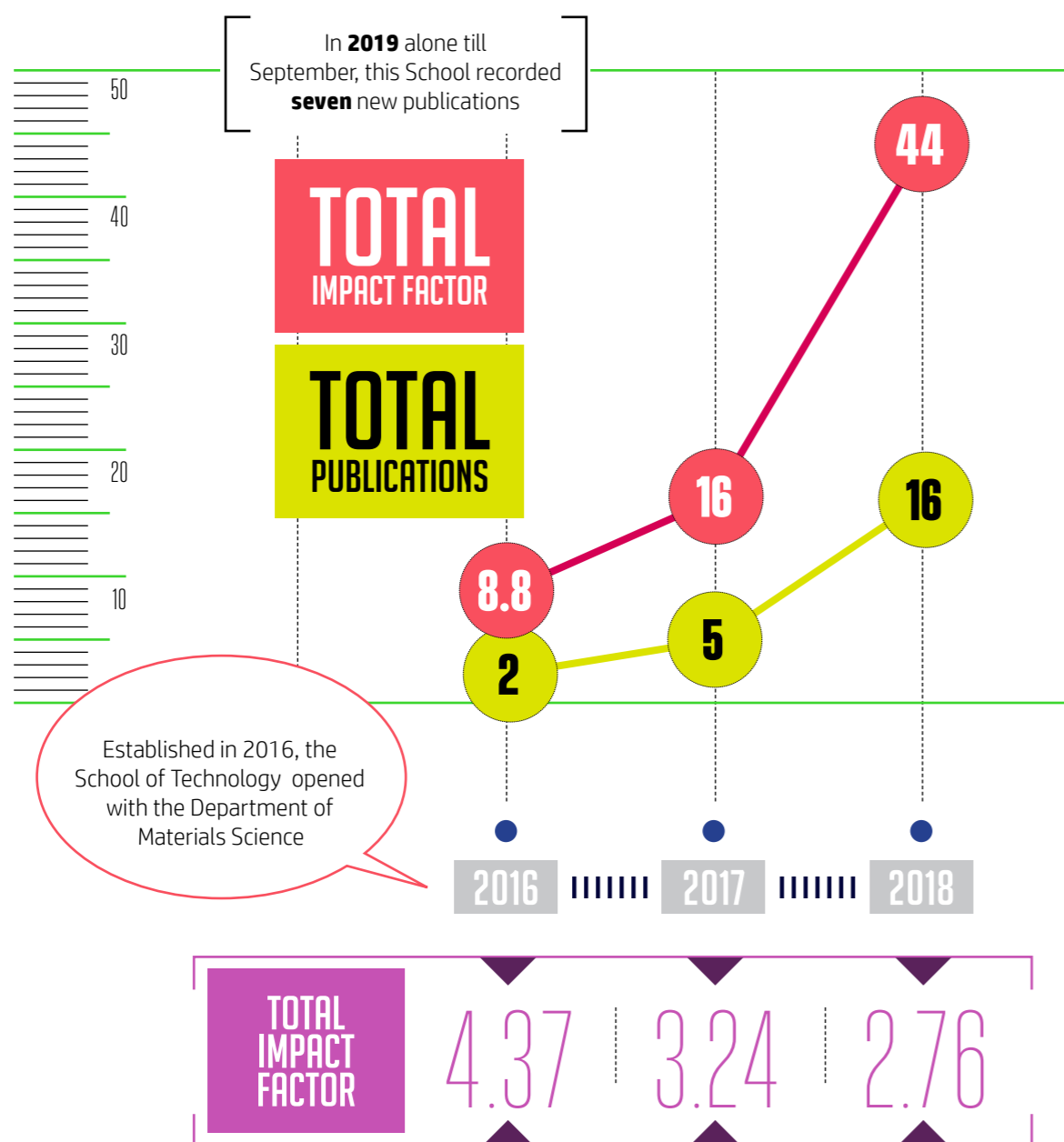


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SCHOOL OF TECHNOLOGY



DEPARTMENT OF MATERIALS SCIENCE

2019

- Ramalingam, G., Ragupathi, G., Kaviyarasu, K., Letsholatthebe, D., Mohamed, S. B., Magdanale Maria, C., Mola, G.T., Abdulgalim Isaev, B., & Maza, M. (2019). Upscalable synthesis of size controlled white green emitting behavior of cor/shell (CdSe/Zns) quantum dots for LED applications. *Journal of Nanoscience and Nanotechnology*, 19: 4026-4032. (IF: 1.093)
- Gunasekaran, V., Kamada, G., Kotsugi, M., Ohkochi, T., Suemitsu, M., & Fukidome, H. (2019). Element and site specific many body interactions in few layer MoS2 during X-ray absorption processes. *Physica Status Solidi A: Application in Electronics*, 216:
- Sakthivel, T., Gunasekaran, V., Durairaj, A., Vasanthkumar, S., & Xiaoyong Huang (2019). Utilization of the internal electric field in semiconductor photocatalysis: A short review. *J. Indus. Engg. Chem*, 72: 18-30. (IF: 4.978)
- Kiran preethi, K., Sakthivel, T., Gouthami, N., Vinesh, V., Priya Arul Selvi, R., Ashwini Kumar, & Gunasekaran, V. (2019) Enhanced Photocatalytic degradation activity of 2-D graphitic carbon nitride-SnO2 nanohybrids. *J. Nanosci. Nanotechnol*, 19: 3576-3582. (IF: 1.093)
- Revathy, TA., Sivaranjani, T., Boopathi, AA., Srinivasan Sampath, & Narayanan, V. (2019). Pd-Co alloy as an efficient recyclable catalyst for the reduction of hazardous 4-nitrophenol. *Res Chem Intermed*, 45: 815. (IF: 1.674)
- Pentela, N., Rainu, S., Duraipandy, N., Boopathi, A. A., Kiran, M. S., Srinivasan Sampath, & Debasis Samanta, (2019). Microcapsules responsive to pH and temperature: synthesis, encapsulation and release study. *Applied Sciences*, 1: 448.
- Govindan, K., Suresh, A.K., Sakthivel, T., Kalpana, M., Raja, M., Gunasekaran, V., Jang, A. (2019). Effect of peroxomonosulfate, peroxodisulfate and hydrogen peroxide on graphene-oxide photocatalytic performances in methyl-orange dye degradation. *Chemosphere*, 237, 124479. (IF: 5.108)

2018

- Mobeen, A., Jasmine, S.K., Sundaram, R., Maria, C., Kaviyarasu Douglas, K., Mohamed, S.B., Kennedy, J., & Maaza, M. (2018). Antibacterial, magnetic, Optical and humidity sensor studies of β CoMo4-Co3O4 nanocomposites and its synthesis and

- characterization. *Journal of Photochemistry and Photobiology, B: Biology*, 183: 233-241. (IF: 4.067)
- Manjula, N., Kaviyarasu, K., Ayeshamariam, A., Selvan, G., Diallo, A., Ramalingam, G., Mohamed, S. B., Letsholatthebe, D., & Jayachandran, M. (2018). Structural, Morphological and Methanol Sensing Properties of Jet Nebulizer Spray Pyrolysis Effect of TiO2 Doped SnO2 Thin Film for Removal of Heavy Metal Ions. *Journal of Nanoelectronics and Optoelectronics*, 13(10):1543-1551. (IF: 1.069)
- Bindu Thomas, Scholastica Mary Vithiya, B., Augustine Arul Prasad, T., Mohamed, S. B., Maria Magdalane, B C., Kaviyarasu, K., & Maaza, M. (2018). Antioxidant and Photocatalytic Activity of Aqueous Leaf Extract Mediated Green Synthesis of Silver Nanoparticles Using *Passiflora edulis f. flavicarpa*. *Journal of Nanoscience and Nanotechnology*, 19(5): 2640-2648. (IF: 1.093)
- Nivetha, Kaviyarasu, K., Ayeshamariam, A., Punithavelan, N., Perumalsamy, R., Diallo, R., Ramalingam, G., Mohamed, S. B., Letsholatthebe, D., Magdanale Maria, C., & Jayachandran, M. (2018). Optical and Structural Properties of Fluorine doped SnO2 on Si(100) for Photovoltaic application. *J. Nanoelectronics and Optoelectronics*, 13(10): 1522-1532. (IF: 1.069)
- Gunasekaran, V., Yuvaraj, S., Karthikeyan K., Surya, V. J. Y., Devaraj, M.K., & Sang-Jae Kim. (2018). Observation of anomalous transport characteristics in graphene-oxide thinfilm. *Materials Chemistry and Physics*, 213: 89-94. (IF: 2.781)
- Nivea, R., Sakthivel, T., Yuvaraj, & S., Gunasekaran, V. (2018) Investigation of photocatalytic performances of sulfur based reduced graphene-oxide-TiO2 nanohybrids. *Applied Surface Science*, 449: 712-718. (IF: 5.155)
- Gouthami, N., Sakthivel, T., Kiranpreethi, K., Vinesh, V., Yuvaraj, S., & Gunasekaran, V. (2018). Study of structural and electrochemical properties of La2S-rV2O9 perovskites prepared using ball-milling. *Applied Surface Science*, 449:468-473. (IF: 5.155)
- Aleena Rose, Guru Prasad, K., Sakthivel, T., Gunasekaran, V., Maiyalagan, T., & Vijayakumar, T. (2018). Electrochemical analysis of graphene-oxide/Polyaniline/Polyvinyl alcohol composite nanofibers for supercapacitor applications. *Applied Surface Science*, 449: 551-557. (IF: 5.155)
- Priya Arul Selvi, R., Sakthivel, T., Gouthami, N., Kiranpreethi, K., Vinesh, V., Kennedy, & R., Gunasekaran, V. (2018). A novel MoS2 Structures for electrochemical detection of 4-aminophenol. *J. Material Science: Materials in Electronics*, 29(7): 5696-5701. (IF: 2.195)



- Thilagavathi, G., Arunkumar, & R., Gunasekaran, V. (2018). Influence of L-threonine on the growth, structural, optical, mechanical, and non-linear optical properties of tartaric acid single crystal. *Material Science-Poland*, 36(4): 630-637.
- Vinesh, V., Sakthivel, T., Gouthmai, N., Kiranpreethi, K., Priya Arulsevi, R., & Gunasekaran, V. (2018). Enhanced photocatalytic properties of nanostructured WO₃ semiconductor photocatalyst prepared via hydrothermal method. *J. Nanosci. Nanotechnol*, 18(5): 3320. (IF: 1.093)
- Panneer Muthuselvam, I., Sankar, R., Narsinga Rao, G., Sunil K. Karna, & Chou, F. C. Ferromagnetic nature in low-dimensional S = 1 antiferromagnetic Li₂Ni(WO₄)₂ nanoparticles. *J. Magn. Magn. Mater.* 449: 83. (IF: 2.683)
- Sankar, R., Peramaiyan, G., Panneer Muthuselvam, I., Cheng-Yen Wen, Xiaofeng Xu, & Chou, F. C. (2018). Superconductivity in a Misfit Layered (SnS)₁:15(TaS₂) Compound. *Chem. Mater.* 30: 1373.
- Veerakumar, P., Panneer Muthuselvam, I., Thanasekaran, P., & King-Chuen Lin, (2018). Low-cost palladium decorated on m-aminophenol-formaldehyde-derived porous carbon spheres for the enhanced catalytic reduction of organic dyes. *Inorg. Chem. Front.*, 5: 354. (IF: 5.934)
- Sankar, R., Peramaiyan, G., Panneer Muthuselvam, I., Suyang Xu, M Zahid Hasan, & Chou, F. C. (2018). Crystal growth and transport properties of Weyl semimetal TaAs. *Journal of Physics: Condensed Matter*, 30: 015803. (IF: 2.711)
- Ganesan, P., Sankar, R., Panneer Muthuselvam, I., & Lee, Wei-Li (2018). Anisotropic magnetotransport and extremely large magnetoresistance in NbAs₂ single crystals. *Scientific Rep*, 8:6414. (IF: 4.011)
- 2017**
- Gunasekaran, V., Devaraju, M. K., Yuvaraj, S., Surya, V. J. Y., Varu singh, Karthikeyan, K., & Kim, S. J.(2017). Electrical Transport properties of two-dimensional MoS₂ nanosheets synthesized by novel method. *Materials Science in Semiconductor Processing*, 66 : 81-86.(IF: 2.722)
- Gunasekaran, V., Park, G.H., Suemitsu, M., & Fukidome, H.(2017). Fabrication of multi-layer Bi₂Se₃ devices and observation of anomalous transport behaviours. *Materials Science in Semiconductor Processing*, 68: 28-132.(IF: 2.722)
- Nivea, R., Sakthivel, T., & Gunasekaran, V.(2017).A short review on preparation of graphene from waste and bioprecursors. *Applied Materials Today*, 7: 246-254. (IF: 8.013)
- Sakthivel, T., Srinivas, T., Nivea, R., Raja, A., & Gunasekaran, V.(2017).Efficient visible-light photocatalytic and enhanced photocorrosion inhibition of Ag₂WO₄ decorated MoS₂ nanosheets. *Journal of Physics and Chemistry of Solids*, 110: 266-273. (IF: 2.752)
- Nagaraju, P., Gowri, A. V., Munusamy, K., Achuthan, B. A., Simran, R., Srinivasan, S., Baran, M. A., & Debasis, S. (2017). A comparative study of pH-responsive microcapsules from different nanocomposites. *Green Materials*,5 (2): 53-62.
- 2016**
- Ashwin Kishore, M.R., Okamoto, H., Lokanath Patra, Vidya, R., Sjästad, Anja O., Fjellvåg, H., Ravindran, P. (2016). Theoretical and experimental investigation on structural, electronic, and magnetic properties of layered Mn₅O₈, *Phys. Chem. Chem. Phys.*, 18 (40): 27885-27896. (IF: 3.906)
- Lokanath Patra, Ashwin Kishore, M.R., Vidya, R., Sjästad, Anja O., Fjellvåg, H., Ravindran, P. (2016). Electronic and magnetic structures of hole doped trilayer La_{4-x}Sr_xNi₃O₈ from first principles calculations. *Inorg. Chem.*,55(22): 11898–11907. (IF: 4.850)

Decennial Publication

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