Faculty Development Programme
On Transdisciplinary Research
(Virtual)

8th - 10th March 2021
18:00 - 19:30 (IST)
12:30 - 14:00 (GMT)

FDP is open to all
Faculty members
Research Scholars and
Practitioners

Department of Social Work
School of Social Sciences and Humanities
Central University of Tamil Nadu
Thiruvarur-05, Tamil Nadu, India.

Department of Social Work
Bharathiar University
Coimbatore
Tamil Nadu, India.

Centre for Women’s Studies
Gandhigram Rural Institute
Gandhigram, Tamil Nadu, India.

Solent University
Southampton
United Kingdom.

University College London
United Kingdom.

REGISTRATION LINK: https://forms.gle/1LgMLqs7XfWSXLbQ8
Department of Social Work, School of Social Sciences and Humanities, Central University of Tamil Nadu, Thiruvarur-05, Tamil Nadu, India.


https://cutn.ac.in/social-work/

Department of Social Work, Bharathiar University, Coimbatore, Tamil Nadu, India.

The primary focus of the department is to build the capacities of young graduates on the threshold of fruitful careers in social work. The focus of our efforts has been on a synergy of theory and practice with both components receiving equal importance in moulding the personality of the students.

https://www.b-u.ac.in/Home/DeptSocialWorkAbout

Centre for Women's Studies, Gandhigram Rural Institute, Gandhigram, Tamil Nadu, India.

Established in Sep 2009 during the XIth 5 Year plan of Government of India. Objectives of the Centre is to promote gender equality at all spheres of society through the activities of Teaching, Training, Research, Field Action, Outreach and Advocacy, Dissemination of Information, Clustering and Mentoring. The Centre also collaborates with other Universities, Colleges and offers orientation and refresher courses in Women's Studies with a transdisciplinary approach.

https://www.ruraluniv.ac.in/faculties?department=AppliesResearch_profile

Solent University, Southampton, United Kingdom.

Focused on the practical side of higher education the University gives students the connections, experience and confidence to turn their newfound knowledge into a career with real, meaningful impact. The University is dedicated to the pursuit of university education that enables learners from all backgrounds to become enterprising citizens and responsible leaders.

https://www.solent.ac.uk/

UCL (University College London).

Founded in 1826 in the heart of London, UCL is London's leading multidisciplinary university, with more than 13,000 staff and 42,000 students from 150 different countries. UCL is a diverse global community of world-class academics and a distinctive approach to research, education and innovation which inspires the staff, students and partners to transform how the world is understood, how knowledge is created and shared, and the way that global problems are solved.

https://www.ucl.ac.uk/
Transdisciplinary research connotes a new paradigm of scientific inquiry that transcends boundaries of disciplinary silos to address critical issues in a coherent way. Transdisciplinarity contrary to interdisciplinarity and multidisciplinary refers to the true integration of disciplines at the level of concepts, assumptions, theories, methods, and interpretation which promotes theoretical, conceptual, and methodological reorientation with respect to core concepts of the participating disciplines. According to the International Center for Transdisciplinary Research- Paris, the encounter between disciplines ensures the emergence of new data and new interactions offering a new vision. Transdisciplinary research is a promising approach that helps to provide sustainable solutions to the complex socio-ecological problems in the contemporary world. Hence it is imperative to equip faculty members and provide further impetus to undertake transdisciplinary research. It is also essential to update faculty members on the possibilities and roadblocks to transdisciplinary research.

The Faculty Development Programme is an academic to update the knowledge and skills of faculty in transdisciplinary research methods. Further it will also enrich the knowledge of the faculty members on data science and the relevance of big data analytics in transdisciplinary research. The FDP is an opportunity for faculty with a passion for research to develop competence and acquaint themselves to new methods of research. The FDP designed to provide an immersion experience to the participants through cross-national knowledge transfer.

**OBJECTIVES**

The Faculty Development Programme aims to:

- Provide knowledge on the methods of transdisciplinary research.
- Make known the ethical issues in transdisciplinary research.
- Impart knowledge on data science.
- Share insights on the relevance of big data analytics in transdisciplinary research.
- Develop competencies in scientific writing and proposal writing for funding agencies.

**EXPECTED OUTCOME OF THE PROGRAMME**

- A deeper understanding of the concept methods and ethical concerns in transdisciplinary research.
- Vivid knowledge on the emerging trends such as data science and big data analytics.
- Gain Mastery in writing proposal for funding bodies.
- Enhancement of Scientific Writing Skills.
- Excellence in transdisciplinary research.
- Insights from peers and experts from different countries and disciplines.

**CERTIFICATION**

- On completion, the participants will be awarded a Certificate of Participation in the Online Faculty Development Programme on Transdisciplinary Research.
- Attendance on all the three days is mandatory.
- Submission of Participant's feedback form is compulsory to receive the Programme certificate.

**WHO CAN APPLY**

Participation in FDP is open to the highly motivated Faculty members, Research Scholars and Practitioners working or aspiring to work in the domain of Transdisciplinary research.

**FDP REGISTRATION LINK:** [https://forms.gle/1LgMLqs7XfWSXLbQ8](https://forms.gle/1LgMLqs7XfWSXLbQ8)
She is a lecturer at Ankara Yildirim Beyazit University, where she teaches food processing technologies, quality assessment with novel technologies. She has a PhD in Seafood and Processing technology (2017). She combines multidisciplinary expertise in valorisation approaches of waste and/or by-products of different food products from poultry to different seafood such as frog, different fish species and shellfish. She is experienced in coordination of national projects funded by Turkish government, (as the first project related to production of gelatine from seafood industry waste in Turkey, 2012). She has additional MSc in Biodiversity and Conservation in Department of Bioscience, University of Exeter. She carried out her post-doc research in genetic laboratory, DAFNAE, University of Padova, Italy in 2018. Her main research focus on utilization of biomaterial derived from different sources in several approaches in food, pharmacology and tissue engineering. Her latest research has focused on usage of biomaterials in tissue engineering and pharmacology. She has participated as a researcher and coordinator in several national and international multidisciplinary projects related to a wide range of research from environmental pollutants to metabarcoding and food traceability over ten years.

Dr. Dr. Elif Tuğçe Aksun Tümerkan
Dept. of Food Processing, Vocational High School
Ankara Yildirim Beyazit University, Ankara, Turkey.

Methodological Concerns in Transdisciplinary Research

08th March 2021
18:00-18:45 (IST)
12:30-13:15 (GMT)

Academic Misconduct and Ethical Issues in Transdisciplinary Research
Dr. Belqais Allali
School of Science, Engineering, and Environment
University of Salford, United Kingdom.

08th March 2021
18:45-19:30 (IST)
13:15-14:00 (GMT)

Data Science | Big Data Analytics In Transdisciplinary Research
Dr. Yogesh Simmhan
Associate Professor-Dept. of Computational & Data Sciences
Associate Faculty- Robert Bosch Center for Cyber Physical Systems
Indian Institute of Science (IISc) Bangalore, India.

09th March 2021
18:00-19:30 (IST)
12:30-14:00 (GMT)

He is an Associate Professor at the Department of Computational and Data Sciences at the Indian Institute of Science, Bangalore. Previously, he was a Research Assistant Professor in the Electrical Engineering Department (Computer Engineering) at the University of Southern California, Los Angeles and Associate Director of the USC Center for Energy Informatics. His research explores abstractions, algorithms and applications on distributed systems. These span Cloud and Edge Computing, Distributed Graph Processing Platforms and Elastic Stream Processing to support emerging "Big Data" and Internet of Things (IoT) applications. His research advances fundamental knowledge, and offers a practitioner's insight, on building scalable and resilient systems. He has won the IEEE/ACM Supercomputing HPC Storage Challenge Award in 2008 and IEEE TCSC SCALE Challenge Award in 2012. He is a Senior Member of IEEE and ACM, a member of the IEEE Future Directions Initiative on Big Data and was the Associate Editor of IEEE Transactions on Cloud Computing. Dr. Yogesh is a Swarna Jayanti Fellow and has a Ph.D in Computer Science from Indiana University and was earlier a Postdoc at Microsoft Research, San Francisco.
Dr. Nabil Khelifi
Senior Editor, Middle East and North Africa

Dr. Nabil Khelifi holds a PhD degree in Marine Geosciences from Kiel University in Germany. He is currently Senior Editor for Springer, part of Springer Nature in Heidelberg, Germany. He is managing Springer program in Middle East & North Africa (MENA) region. He received fellowships from START in 2005 and the DAAD from 2006 to 2010 to continue with his PhD studies. After his PhD in 2010, Dr. Khelifi received a postdoctoral research grant from the DFG to start his self-designed research projects at the GEOMAR Kiel, Germany on reconstructing past changes in oceanography and climate in the North Atlantic and the Mediterranean Sea using marine sediment samples retrieved by the IODP. He published his research work in some reputable journals. Dr. Khelifi also received funding from the ESF and some European universities to co-organize two workshops on Pliocene climate in Bordeaux, France (2009) and Bristol, UK (2013). He also received the Swiss Government Excellence Scholarship to continue with his research projects at ETH Zurich, Switzerland in early 2014. However, he decided in March 2014 to pursue his career as a Publishing Editor with Springer. He is mainly responsible for developing the Springer's publishing program in MENA region. The program currently consists of developing 20 journals and publishing about 50 scientific books every year. Dr. Khelifi also helps researchers in MENA countries publish their work by delivering educational seminars for authors, reviewers, and journal editors to help improve publication output and quality. Dr. Khelifi is also a Visiting Lecturer at the University of Sfax, Tunisia and King Saud University, KSA giving MSc and PhD courses in geo-communication/presentations and techniques of paper publishing, as well as career development training and professional development/soft skills workshops. Recently, Dr. Khelifi has been awarded with the 2016 Africa Green Future Leadership Award in recognition of work contributing to sustainable development through advancing science and promoting publications in Africa.

Prof. S M Ramasamy
Professor of Eminence- Dept. of Remote sensing
Bharathidasan University, Tiruchirappalli, India.

Prof. S M Ramasamy, a former Vice-Chancellor of Gandhigram Rural University, Tamil Nadu, India, started his early career as a Geologist at Geographical Survey of India for 12 years, turned into an academician and served as a Founder Professor & Director, Centre for Remote Sensing, Bharathidasan University, Tamil Nadu, India for over 25 years. Besides establishing the major Centre and developing innovative academic programmes in Geomatics and Geology, he has guided over 18 Ph.D and 40 M. Tech in Geological Remote Sensing and GIS, has published over 250 scientific papers including 14 books(edited volumes). He has Conceived and executed 25 major funded research projects budgeting to the tune of Indian rupees 3500 lakhs (35 Crores), sponsored by various National and International agencies and brought out packages of newer information in the field of Earth resources, Geological / Geomorphological processes, Geological Eco-systems, Natural disasters etc., for the Indian Peninsula. Serving currently as a Professor of Eminence at Bharathidasan University, he evolved and executing multi-crore networking project on 'Digital Reconstruction of Anceient Port City Poompuhar', involving over 12 Institutions. He has been conferred with numerous awards including the "First Indian Remote Sensing Award" in 1992 from Indian Society of Remote Sensing, ISRO, Dehradun, the "TANSA" (Tamil Nadu Scientist's Award) in 1997 from Govt. of Tamil Nadu, Chennai and the "CLUMA Award" for the outstanding contribution in Remote Sensing and GIS for Earth Sciences in 2005 from Consortium of Landuse Managers (CLUMA), Hyderabad. He is nominated as life time Fellow of Indian Society of Geomatics in 2013 and as Life time Fellow of Indian Society of Remote sensing in 2016. He has chaired various scientific bodies in India and abroad including Chair International Society of Photogrammetry and Remote Sensing (ISPRS) PRAQE, 2012-2016, Group VIII- Geology and Mineral Resources. He is an Elected Member in New York Academy of Sciences, Honorary Editor in American Bibliographical Society, Consultant to Government of Iran and UAE (Geological Remote Sensing Projects), Nominee in the panel of the Ocean Experts by the Intergovernmental Oceanographic Commission of UNESCO. Many times he has been referred as an outstanding scientists of the world in Marqui 'Who's Who, USA.
**PROGRAMME ORGANISING TEAM**

**Dr. Sigamani Panneer., FRSA (UK) FRSPH (UK), Raman Fellow**
Professor & Head- Dept. of Social Work
School of Social Sciences and Humanities
Coordinator- Centre for Happiness
Central University of Tamil Nadu
Thiruvarur-610 005, Tamil Nadu, India.
Mobile: 00-91-9716074575
E-mail: sigamanip@cutn.ac.in

**Dr. Komali Kantamaneni**
Research Fellow - Research and Innovation
Solent University | East Park Terrace
| Southampton SO14 0YN
T: 023 8201 6970 |
E-mail: Komali.kantamaneni@solent.ac.uk
Honorary Research Fellow- Dept. Civil, Environmental & Geomatic Engineering
University College London Gower St, London WC1E 6BT
E-mail: k.kantamaneni@ucl.ac.uk

**Dr. F.X. Lovelina Little Flower**
Dean i/c- College Development Council
Professor and Head- Department of Social Work
Bharathiar University, Coimbatore 641 046
Tamil Nadu, India.
Mobile Number: 9443346668
E-mail : lovelinabu@gmail.com

**Dr. M. Hilaria Soundari**
Director i/c- Centre for Women's Studies
Assistant Professor- Centre for Applied Research
Gandhigram Rural Institute, Gandhigram
Tamil Nadu 624 302, India.
Mobile Number: 9952813984
E-mail: hilariasoundari@gmail.com

**Ms. Tresa Sugirtha (PhD)**
Assistant Professor
Department of Social Work
PSG College of Arts and Science, Coimbatore

**Mr. J S Santhosh (PhD)**
Senior Research Scholar (UGC-NET)
Department of Social Work
Bharathiar University
Coimbatore.

**Ms. Mhadeno Y Humtsoe (PhD)**
Research Scholar (NFST)
Centre for Applied Research
Gandhigram Rural Institute, Gandhigram.

**S. Samuel Paul Raj**
M.Phil. Research Scholar
Centre for Applied Research
Gandhigram Rural Institute
Gandhigram.

**Mr. S.A.Vigneshwaran (PhD)**
Junior Research Fellow (UGC-NET)
Central University of Tamil Nadu
Thiruvarur.

**S. Jeya Baskaran**
M.Phil. Research Scholar
Centre for Applied Research
Gandhigram Rural Institute
Gandhigram.

**For more details contact :**
**Dr. Sigamani Panneer., PhD (JNU)**
Professor & Head, Dept of Social Work,
School of Social Sciences and Humanities
Professor & Coordinator, Centre for Happiness,
Central University of Tamil Nadu,
Thiruvarur-610 005, Tamil Nadu, India
Mobile: 00-91-9716074575 Email: sigamanip@cutn.ac.in
As global responsible citizens, we seek to delve deep into the challenges and concerns that helping professions face during COVID-19 trying times. A three-stage project is envisioned with series of International and National Virtual Symposiums followed by an International book publication and Joint research projects and collaborations.

   For IVS-I Click: https://www.youtube.com/watch?v=Xu_U6c0Gfs4&t=11420s
   IVS-I Report available at SSRN Click: https://ssrn.com/abstract=3694271

   For NVS-II Click: https://www.youtube.com/watch?v=QMtHKMUc7Ic

   For NVS-III Click: https://www.youtube.com/watch?v=u2I-Oe7iYVQ

   For IVS-II Click: https://www.youtube.com/watch?v=i3FCpl9bwlS

ABOUT THE PROGRAMME ORGANIZERS

Dr. Sigamani Panneer PhD, is the Professor and Head, Department of Social Work, School of Social Sciences and Humanities, Central University of Tamil Nadu, India. A recipient of prestigious Raman fellowship; he served as Visiting Professor at the School of Public Health, University of Minnesota, USA; Tianjin University of Finance and Economics, China; Jishou University, China. He has authored articles of national and international repute published by Palgrave Macmillan, Sage, Springer, Wiley, Elsevier, BMC, EPW and Bloomsbury.

Dr. Komali Kantamaneni PhD, is a coastal scientist. Her research focuses mainly on coastal vulnerability, natural disasters, natural hazards, climate change, water infrastructure and GIS mapping. Komali completed her PhD at the University of Wales Trinity Saint David, Swansea, entitled Assessing coastal vulnerability: development of a combined physical and economic index. Her research produced, for the first time, a combined vulnerability assessment based on physical science parameters and economic drivers. She holds an MBA in Business Studies from Cardiff Metropolitan University, and MSc in Environmental Sciences and a BSc in Biology from Acharya Nagarjuna University, India. Her academic background gives her different perspectives, and she engages with interdisciplinary and multidisciplinary projects such as coastal and water infrastructures, natural disasters, risk assessment and management. She has been an invited speaker and presenter at many major international conferences and evaluator for various coastal and maritime research projects. She is widely published and organized international conferences/webinars. She is a Principal Investigator for the GCRF (Global Challenges Research Fund) project.

Dr. F.X. Lovelina Little Flower PhD, is the Professor and Head, Department of Social Work, Bharathiar University, Coimbatore. She has guided 10 PhDs and 11 M. Phil Candidates. Her thrust area of work includes Mental Health, Social Work Education, Intercultural Social Work Practice and Geriatric Social Work. Dr. Lovelina has edited 3 books and has published over 80 research articles in leading National and International Journals. She has visited Umea University, Sweden under the Linneus Palme International Faculty Exchange Programme in 2006.

Dr. M. Hilaria Soundari PhD, is the director in-charge of Centre for Women's Studies and an Assistant Professor in the Centre for Applied Research, Gandhigram Rural Institute – Deemed to be University, Gandhigram, India. She belongs to the Congregation of the Sisters of the Cross of Chavanon. She received Junior Research Fellowship, Senior Research Fellowship and Research Award from UGC, New Delhi. She was awarded an Erasmus Mundus scholarship under the Academic Staff Exchange Programme to Lund University, Sweden. She has been working with marginalized women and children for 24 years in rural India. She has successfully completed major research projects of UGC and ICSSR on empowerment and sustainable development. She has authored a number of articles in renowned journals and edited six books.

As global responsible citizens, we seek to delve deep into the challenges and concernsthat helping professions face during COVID-19 trying times. A three-stage project is envisioned with series of International and National Virtual Symposiums followed by an International book publication and Joint research projects and collaborations.

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