

CURRICULUM VITAE

Dr S.V. BHARANEDHAR

Assistant Professor
Department of Mathematics
Central University of Tamil Nadu
Thiruvavarur 610005

Email: bharanedhar@cutn.ac.in
Phone: +91-97508 98980

Course	College/ Institution	Board / University	% of marks	Year of Passing
Ph.D (Maths)	Indian Institute of Technology Madras, Chennai	Indian Institute of Technology Madras, Chennai	9.69 CGPA	July 2014
M.Sc (Maths)	Ayya Nadar Janaki Ammal College, Sivakasi	Madurai Kamaraj University	89.97	Apr 2008
B.Sc (Maths)	Ayya Nadar Janaki Ammal College, Sivakasi	Madurai Kamaraj University	92.45	Apr 2005
H.Sc (XII Std.)	G. S. H. Hr. Sec. School, Srivilliputtur	Tamilnadu State Board	91.58	Apr 2002
SSLC (X Std.)	G. S. H. Hr. Sec. School, Srivilliputtur	Tamilnadu State Board	88	Apr 2000

Research Interests

Broad Area:

- Complex Analysis and Graph Theory

Specific Area:

- Harmonic Mappings
- Algebraic Graph Theory

Work Experience

- Visiting Scientist, Indian Statistical Institute (ISI), Chennai from August 2013 to July 2014.
- Assistant Professor, Department of Mathematics, Kalasalingam University, Krishnankoil from October 2014 to March 2015.
- NBHM Post Doctoral Fellow, n-CARDMATH Kalasalingam Univeristy, Krishnankoil from April 2015 to March 2016.
- Assistant Professor, Department of Mathematics, Mepco Schlenk Engineering College, Sivakasi from July 2016 to January 2017.

- Assistant Professor, Department of Mathematics, Alagappa Chettiar Government College of Engineering and Technology, Karaikudi from May 2017 to January 2019.
- Assistant Professor, Department of Mathematics, Central University of Tamil Nadu Thiruvarur from February 2019 to till date.

Awards and Honours

- Offered NBHM research fellowship in 2008.
- Qualified GATE 2008 in Mathematics and secured all India rank 54.
- Junior Research Fellow(JRF), University Grants Commission(UGC) July 2008 – June 2010.
- Senior Research Fellow(SRF), University Grants Commission(UGC) July 2010 – June 2013.
- Secured first place in B.Sc and awarded gold medal.
- Won 10 prizes in quiz and other competitions at the inter-collegiate level in B.Sc and M.Sc.

List of Publications

- S. V. Bharanedhar, A. Antony Selvan, and Riya Ghosh, *Zeros of self-inversive polynomials with an application to sampling theory*, Appl. Math. Comput. 439 (2023), Paper No. 127547, 14 pp.
- S. Balamoorthy, S. V. Bharanedhar, and N. Kamatchi *On the products of group vertex magic graphs*, AKCE Int. J. Graphs Comb. 19 (2022), no. 3, 268–275.
- S. V. Bharanedhar and S. Ponnusamy, *Coefficient conditions for harmonic univalent mappings and hypergeometric mappings* Rocky Mountain J. Math., 44 (2014), no. 3, 753–777.
- Y. Abu Muhanna, S. V. Bharanedhar and S. Ponnusamy, *One parameter family of univalent biharmonic mappings*, Taiwanese J. Math., 18 (2014), no. 4, 1151–1169.
- S. V. Bharanedhar and S. Ponnusamy, *Uniform close-to-convexity radius of sections of functions in the close-to-convex family*, J. Ramanujan Math. Soc., 29 (2014), no. 3, 243–251.
- S. V. Bharanedhar and S. Ponnusamy, *Remarks on the univalence criterion of Pascu and Pascu*, Bull. Aust. Math. Soc., 89 (2014), no. 2, 210–216.
- S. V. Bharanedhar, Milutin Obradovic and S. Ponnusamy, *Coefficient criteria for univalent and close-to-convex functions*, Interdiscip. Inform. Sci. 19 (2013), no. 2, 157–161.

Papers Presented in Conferences

- S. V. Bharanedhar and S. Ponnusamy, *Harmonic Univalent Mappings and Hypergeometric Mappings* International Conference on Complex Analysis and its Applications(CAA -2012), held at Sangli, Maharashtra (June 11-15, 2012).

- S. V. Bharanedhar and S. Ponnusamy, On univalent harmonic and biharmonic mappings, Computational Methods and Function Theory(CMFT - 2013), held at Shantou University, China (June 10-14, 2013).
- S. V. Bharanedhar and S. Ponnusamy, Remarks on the univalence criterion of Pascu, International Symposium on Complex Analysis and Conformal Geometry(ISCACG -2013), held at IIT Indore, India (December 28-30, 2013).
- S. V. Bharanedhar, M. Obradović and S. Ponnusamy, Radii problems for sections of close-to-convex functions, VII Petrozavodsk International Conference on Complex Analysis and Applications, held at Petrozavodsk State University, Russia (June 29- July 05, 2014).

Conferences/Seminars/Workshops Attended

- Attended the Fifth Annual Foundation School part-II at Bhaskaracharya Pratishthana in Pune from 08-06-2009 to 04-07-2009.
- Attended the “International Workshop on Harmonic Mappings and Hyperbolic Metrics”, held at Indian Institute of Technology Madras, Chennai (December 10-19, 2009).
- Attended the Indian Mathematical Society ”Platinum Jubilee Conference”, held at Kalasalingam University, Krishanankoil (December 27 - 30, 2009)
- Attended the ICM 2010 Satellite Conference ”International Workshop on Harmonic and Quasiconformal Mappings ”, held at Indian Institute of Technology Madras, Chennai (August 09-17, 2010).
- Attended the ”International Congress of Mathematicians - 2010”, held at Hyderabad, (August 19 - 27, 2010).

Orientation and Refresher Courses

- Participated in the UGC-Sponsored second Online Faculty Induction Programme from 18.11.2020 to 17.12.2020 organized by UGC-HRDC, Bharathidasan University, Trichy.
- Participated in the RUSA-sponsored Online Faculty Development Programme on Mathematics from 04.02.2022 to 10.02.2022 organized by UGC-HRDC Panjab University, Chandigarh.

PhD Guidance

- S. Balamoorthy, joined in December 2020 and is working towards his thesis.

Invited Talks

- Delivered a talk entitled “Linear Algebra and Complex Analysis” in the National Workshop on UGC-CSIR NET (Mathematical Sciences) held on 19.04.2023, organized by Department of Mathematics, Idhaya College of Arts and Science for Women, Pondicherry.

- Delivered a talk in the FDP on Algebra and Analysis organized by the Department of Mathematics, Rajagiri School of Engineering and Technology, Kerala on 23.03.2023.
- Delivered a guest lecture entitled “Analytic Functions and Complex Integration” organized by the Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur on 07.11.2022.
- Delivered a talk entitled “A Theorem in Number Theory” in the Mathematics Association inaugural function organized by the Department of Mathematics, Government Arts and Science College, Srivilliputtur on 14.10.2022.
- Delivered a talk entitled “New Results on Convergent Series” in a special lecture organized by the Department of Mathematics, Thiagarajar College, Madurai on 29.09.2022.
- Delivered a talk in the One Day Seminar Programme on “Excellence in Mathematics” organized by the P.G. Department of Mathematics, ADM College, Nagapattinam on 25.08.2022.
- Delivered a talk entitled “Proof Strategies in Mathematics” in the inaugural function of the Mathematics Association organized by the Department of Mathematics, Ayya Nadar Janaki Ammal College, Sivakasi on 29.07.2022.
- Delivered two talks on “Analytic functions and Complex Integration” in the online workshop on Mathematical Analysis (MATANA 2021) organized by the Department of Mathematics, Loyola College (Shift-II), Chennai during 13-18, September 2021.
- Delivered two talks on Complex Analysis in the Ganitha Garima Workshop organized by the Department of Mathematics, University of Kerala on 30.11.2021 and 03.12.2021.
- Delivered four guest lectures on the topic “Singularities and Residues in Complex Analysis” in the Two Days workshop on Complex Analysis and its Applications, organized by the Department of Mathematics, Mepco Schlenk Engineering College, Sivakasi during 12.03.2020 to 13.03.2020.
- Delivered a talk on Number Theory in MAKSFETE’2019, organized by the Department of Mathematics, Kamaraj College of Engineering and Technology, Virudhunagar on 13.09.2019.