



Dr. SRIKUMAR K

Associate Professor

Department of Mathematics

School of Engineering

Dayananda Sagar University, Bengaluru, Karnataka,
India

Official Email: srikumar-maths@dsu.edu.in

Mobile No: +91 9740899883

1. ABOUT

Dr. Srikumar is an Associate Professor in the Department of Mathematics at Dayananda Sagar University (DSU), where he has been serving since August 2019. With 22 years of academic experience, he has previously served as Associate Professor at REVA University (2013–2019) and EPCEW (2009–2013), and as Lecturer at CMR Institute of Technology (2004–2009). He holds a Ph.D. in Mathematics(Theoretical Fluid Mechanics-Convection problem) and has 10 years of research experience. His major research interests include Theoretical Fluid Mechanics, Cryptography and Cybersecurity, Chemical Graph Theory, and Mathematical Modeling. He has published 15 research articles in internationally reputed, peer-reviewed journals indexed in Scopus and Web of Science, spanning Q1–Q4 categories. His research work has received 60 google citations, with an H-index of 4. He has successfully guided two research scholars to the award of Ph.D. degrees and currently supervises one scholar in Cryptography and Cybersecurity.

2. RESEARCH INTERESTS

- Cryptography and Cybersecurity
- Theoretical Fluid Mechanics

3. ACADEMIC QUALIFICATIONS

- PhD in Theoretical Fluid Mechanics-Convection — Visveswaraya Technological University, 2014
- M.Sc- Mathematics — Bangalore University (Central College), 2004
- B.Sc — Bangalore University (Christ College), 2000

4. PROFESSIONAL EXPERIENCE

- Associate Professor — Dayananda Sagar University, Since 05 Aug 2019 to till date
- Associate Professor — Reva University, 29 Jul 2013 to 29 Jun 2019
- Assistant Professor — EPCEW, 05 Oct 2009 to 29 Jul 2013
- Lecturer — CMRIT, 22 Sep 2004 to 30 Sep 2009

5. RESEARCH HIGHLIGHTS

- Publications: He has published 15 research articles in internationally reputed, peer-reviewed journals indexed in Scopus and Web of Science, spanning Q1–Q4 categories.
- Academic/Conference Roles: Besides teaching and research also serves as department coordinator for Monthly News Letter.

6. SELECTED PUBLICATIONS

1. Sripada Kulkarni, Mallikarjun Biradar, Roopa D N, Hemanth B R, Sivakumar K Mallad, Santhosh M, Bindushree B S, Saravana Bavan D, Nadeem Pasha, **Srikumar**, Y.P. Ravitej , *“Synergistic Role of S-Glass and Graphene on the Wear Performance of Al6061: Experimental Study and Explainable Machine Learning Analysis”* in the journal **Canadian Metallurgical Quarterly**, May 2026.
2. Srimanta Maji, Srikumar Krishnamurthy, Bharathi S N, *“A Hybrid Algorithm for the Simulation of Burgers’ Equation near the Inviscid Limit”*, in the journal **“Boletim da Sociedade Paranaense de Matematica**, Volume-44, issue-4, Pages 1-11, April 2026.
3. Sripada Kulkarni, Mallikarjun Biradar, S. Ramesh, R. Premchand, S.P. Shanmuganatan, Yuvaraja Naik, Mahadeva Prasad, Y.P. Ravitej, N.Subramani, **Srikumar** et al. *“Tribological and Predictive Modelling Analysis of Copper - CNT - Titanium Hybrid Metal Matrix Composites”* , **“Journal of Bio- and Tribo-Corrosion**, Volume-12, Article Number-72, March 2026.
4. Bharathi S N, Srikumar Krishnamurthy, Srimanta Maji, *“Topological Indices of Certain Derived Graphs of Triglycerides”* in the journal **“Boletim da Sociedade Paranaense de Matematica”**, Volume-44, issue-4, Pages 1-11, Feb 2026.
5. Kshama Jain, Anuradha Bhattattacharya, Srikumar Krishnamurthy, *“Numerical Approaches to HIV/AIDS Dynamics: A SIAT Model Study”* published in the journal **“Boletim da Sociedade Paranaense de Matematica**, Volume-43, issue-2, Pages 1-20, December 2025.

7. ACADEMIC PROFILES

- Google Scholar: <https://scholar.google.com/citations?user=qmFEYMYAAAAJ&hl=en>
- ORCID: <https://orcid.org/0009-0002-1936-291X>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=30567867700> ,
<https://www.scopus.com/authid/detail.uri?authorId=59832890600&origin=recordpage>
- Web of Science: <https://www.webofscience.com/wos/author/record/NXC-3986-2025>

8. CONTACT

Dr. SRIKUMAR K

Associate Professor

Department of Mathematics

School of Engineering

Dayananda Sagar University

Bengaluru, Karnataka, India – 562 112

Official Email: srikumar-maths@dsu.edu.in