

FACULTY PROFILE



NAME: Dr.Hadimani Shivakumar

Designation: Professor

Department of Electronics & Communication Engineering

Date of Joining: 07-08-2006

Length of Professional Experience: 22 years

Personal and Contact Details

Email:	Include organization emailed- xyz@kittiptur.ac.in and shivakumarkit71@gmail.com sk_hadimani@yahoo.com
Mobile:	6361917798
ORCID	https://orcid.org/0009-0008-6367-2468
Google Scholar	---
Any other	---
Research	Nanoelectronics

Academic Details

PhD (nanoelectronics), VTU, 2021
M. Tech (Applied Electronics), Dr M G R, University
B. E (Electronics Engineering), Kalpataru Institute of Technology, Bangalore University

Research and Article Publications

- 1.Hadimani Shivakumar, G.D. Gurumurthy, G.S. Yogananda, K.B. Bommegowda and T.S. Mahesh c “The effects of temperature and frequency on dielectric properties of modified epoxy-graphene and carbon fabric nanocomposites” Diamond & Related Materials 152 (2025) 11183
<https://doi.org/10.1016/j.diamond.2024.111839>
- 2.Hadimani Shivakumar, Gurumurthy G D, Lohith M S, Channabasayya Mathad, Bommegowda K B
“Cyclovoltammetry Analysis of Epoxy-Reinforced Graphene Nanocomposites” Journal of Nanochem Res 10(1): pp.111-118, Winter 2025. DOI: 10.22036/ncr.2025.01.010

- 3.Hadimani Shivakumar, Gurumurthy G.D., Bommegowda K.B, "Dynamic Mechanical Properties of Graphene and Carbon Fabric Reinforced Epoxy Nanocomposites" Journal of Polymer composites vol- 45, Issue-6, pp-5281-5289, January 2024, <https://doi.org/10.1002/pc.281261>.
- 4.M.Umashankar Hadimani Shivakumar,,N.M Renukappa and S Parameshwara “Analysis of Dielectric Properties of Carbon-Epoxy composite laminates” journal of Mines, Metals and Fuels71(12A):PP38-42, 2023.
- 5.M.Umashankar Hadimani Shivakumar,,N.M Renukappa and S Parameshwara “Investigations on the Influence of Nylon-66 Interleaving on the Fiber Matrix Interaction of quasi-Isotropic Carbon Epoxy Composites using DMA” journal of Mines, Metals and Fuels71(12A):pp-52-62, 2023.
6. Hadimani Shivakumar, Gurumurthy G.D., Bommegowda K.B, and S. Parameshwara "Investigation on Electrical Conductivity and EMI Shielding Efficiency of Modified Epoxy-Exfoliate Graphite Composites” IEEE Transactions on Dielectrics and Electrical Insulation, vol.30, Issue-6, December 2023, pp- 2559 – 2566, DOI: 10.1109/TDEI.2023.3314704.
- 7.Hadimani Shivakumar, Gurumurthy G.D., Bommegowda K.B, and S. Parameshwara "Study of Galvanic Charging-Discharging Properties of Graphene Nanoplatelets incorporated Epoxy-Carbon Fabric Composites” J.Polym.Mater.Vol.40 ,pp-83-93,2023 DOI : <https://doi.org/10.32381/JPM.2023.40.1.8>
- 8.Hadimani Shivakumar N.M.Renukappa, Kunigal N. Shivakumar and Sundara Rajan,“Advanced Epoxy-Carbon Fabric-Graphene Nanocomposite for Electro-Chemical Sensing”,IEEE Transactions on Sensors Journal, vol. 20, Issue: 21, pp.13066-13073,2020. DOI: 10.1109/JSEN.2020.3002017.
- 9.Hadimani Shivakumar N. M. Renukappa, K. N. Shivakumar and B. Suresha. “The reinforcing effect of graphene on the mechanical properties of carbon-epoxy composites” Open Journal of Composite Materials, 2020, 10, 27-44, vol. 10, pp. 27- 44, Apr. 30, 2020. DOI: 10.4236/ojcm.2020.102003.

Conference papers

- 1.Hadimani Shivakumar N.M.Renukappa, J.sundararajan and kunigal Shivakumar, “Development of high dielectric constant epoxy composite with nano graphene platelets” International conference on high voltage engineering & technology 2019 International Conference on High Voltage Engineering and Technology (ICHVET), 07-08 February 2019 Conference Location: Hyderabad, India, DOI:10.1109/ICHVET.2019.8724299.

Achievements

FACULTY DEVELOPMENT PROGRAMS

An Overview of Teaching Techniques in Basics of Electronics and Communication Engineering” 13th – 17th December 2021 AICTE – VTU Joint Training Programme for Teachers VISVESVARAYA TECHNOLOGICAL UNIVERSITY

IEEE certificate of participation IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE Editors 30-08-2022

CERTIFICATE OF APPRECIATION as Reviewer-IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics October 14-15, 2022

CERTIFICATE OF APPRECIATION as Reviewer-Fourth IEEE International Conference on “Multimedia Processing, Communications and Information Technology” - MPCIT 2024 December 13-14, 2024

Registered as research supervisor at VTU

Professional Membership

IETE

Dr.Hadimani Shivakumar

(Faculty Name)