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GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

GMU - Faculty & Staff Profile



Contact

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Research Gate

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Dr. Anand B C

Assistant Professor, Department of Physics

Faculty

Faculty of Basic and Applied Sciences.

School / Program

School of Mathematical and Physical Sciences.

Faculty Introduction

Dr Anand B. C is an Assistant Professor in the Department of Physics at GM Institute of Technology (GM University), Davangere. He holds a PhD in Physics from Visvesvaraya Technological University, where he researched the Microstructural, Electrical, and Optical Characterisation of *Doped and Undoped Tin Dioxide Thin Films*. His research interests include nanomaterials, thin-film synthesis, sensors, and solar cell applications. Dr Anand has several publications in reputed international journals and has participated in national and international conferences. He is passionate about teaching, research, and advancing materials science innovations.

Qualifications

Ph.D. (Material Science-Thin films)

Visvesvaraya Technological University, Belagavi, 2022

M.Sc. Physics (Condensed Matter Physics)

Davanagere University – Davanagere, Karnataka, 2014

B.Sc. (PCM)

Davanagere University – Davanagere, Karnataka, 2012

Experience

Teaching

- Assistant Professor from August 2023 – Present at GM Institute of Technology/GM University, Davangere.
- Assistant Professor from June to August 2023 at Kumadvathi College Of Education, Shrikaripura.
- Teaching Assistant from May 2017 to February 2023 at JSS Academy of Technical Education, Bengaluru.

Industry



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Research

- Pursued a full-time Ph.D. as a Research Scholar at JSS Academy of Technical Education, Bengaluru, from May 2017 to February 2023

Training Program Attended

- Basic Training Program in Nano Science & Technology Centre for Nano Science and Engineering, Indian Institute of Science, 13-15 March 2023.
- Two-Day Hands-on Online Training Workshop on "Solar Cell and OLED Simulation using Setfos Software" organised by Fluxim AG and IT Impulse Technology, 3–4 February 2023.

Research Interest

- Thin Film Technology.
- Nanomaterials and Nanocomposites.
- Gas and Humidity Sensors.
- Semiconductor Physics and Device Applications.
- Energy Materials.
- Magnetic and Dielectric Materials.

Awards & Achievements

Publication / Patents

- Anand B.C., Shashidhar, R., & Choudhary, N. published "Application of SRCBD S: SnO₂ nanostructured thin films as room temperature gas and humidity sensors" in J. Korean Phys. Soc. (2023).
- Anand B.C., Shashidhar, R., & Choudhary, N. published "Positive impedance, and low hysteresis MOS type humidity sensors via SRCBD poly crystalline SnxOy thin films" in Digest Journal of Nanomaterials and Biostructures (DJNB) (2023).
- Rakesh Vishwarup, Shridhar N. Mathad, Raed H Altomali, Anish Khan, Ibraheem A, Mkhaliid, Khalid A Alzahrani, Anand B C, & Vikas Gupta published "Effect of Zinc Substitution on structural, Electrical, Dielectric and Magnetic Properties of Magnesium Nano-Ferrites prepared by co-precipitation route" in Inorganic Chemistry Communications (2024).
- Rakesh Vishwarup, Shridhar N. Mathad, and Anand B C have a publication titled "Comprehensive Insights into Some Nano-Ferrites: Properties,



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Characterisation, and Multifaceted Applications"
under review in Acta Periodica Technologica.

Professional Membership

Awards & Recognitions

Administrative Responsibilities

- **Department Level**
EMS Coordinator
Scholarship Coordinator
Mentorship/Advisory Committee
- **University Level**
Examination Committee Member
BOS Member
SPOC for the Harapanahalli region
Anti-Ragging Committee Coordinator

Workshops / FDPs / Seminars Attended

- One-Week Workshop on “Research Methodology” organized by VTU, held from 28th May to 2nd June 2018.
- National Workshop on “Current Applications in Material Science” organized by SJB Institute of Technology, Bengaluru, on 9th May 2018.
- 14th Biennial DAE–BRNS Symposium (NUCAR-2019) organized by Bhabha Atomic Research Centre (BARC), Mumbai, during 15th–19th January 2019.
- Three-Day National Online FDP on “Research Methodology and Use of Software Tools” organized by KLE Society’s S. Nijalingappa College, Bengaluru, during 21st–23rd July 2020.
- One-Day National Webinar on “Modern Scientific Trends in Research Methodology” organized by KLE Society’s Jagadguru Tontadarya College, Gadag, on 4th July 2020.
- One-Week FDP on “Recent Trends in Material Science and Technology” organized by Department of Physics, HITAM, from 25th–29th August 2020.
- Seminar on “How to Publish and Optimize Resources for Groundbreaking Journals” conducted by Dr. S. W. Cranford (Elsevier) on 25th February 2021.
- National Conference on “Physics and Chemistry of Materials (NCPCM-2023)” organized by the



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Department of Physics, Govt. Holkar Science College, Indore, during 16th–18th March 2023.

- Five-Day FDP on “Essentials of Sciences for Engineering and Research–2024” organized by the Department of Physics, ATME College of Engineering, Mysuru, from 26th February–1st March 2024.

Workshops / FDPs / Seminars Organized

Projects Guided

Funded Projects / Grants Received

- On January 28, 2022, we received a Reverse Catalytic Grant of ₹1,00,000 from I-STEM, Indian Institute of Science (IISc), Bengaluru. The project has since been completed.
- Under the GMU Seed Money Research Grant, received funding of ₹15,000 as Principal Investigator for the project titled “Impact of Copper Doping on the Magnetic and Dielectric Properties of Mn–Zn Nano ferrites.” (Ongoing)

Any Other Contributions