

CURRICULUM VITAE

Dr. V. Manjunath

(M.Sc., B.Ed., NET, Ph.D., Post.Doc)

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Teaching/Post-doctoral Experience:

- **Assistant Professor**, Dept. of Physics, Sri Padmavati Mahila Visvavidyalayam, Tirupati (2018-to till date)
- **International Research Professor (PDF)**, Dept. of Electronic Engineering, Yeungnam University, Republic of Korea/South Korea and on duty in SPMVV (1st March 2022 to 28th Feb 2023).
- **Lecturer**, Sri C. Dass Arts and Science College, Sathyavedu, A.P., India. (2011 to 2013).

Awards/Fellowships:

- Received "YOUNG SCIENTIST AWARD" from International scientist awards on engineering, science, and medicine, VDGGOOD™, Chennai, Tamilnadu, India, 21 & 22-May-2021.
- Received BSR - Research Fellow under the UGC scheme for Meritorious students in 2014 to 2015, department of physics, S.V. University, Tirupati, India - 517 502.

Best Paper Presentation Awards: 02

Research Publications: International - 28; National - 05
Book Publication - 01; Book Chapters - 03

Seminars/ Conferences

Attended : International - 14; National - 49
Presented : International - 11; National - 10
Organized : National - 04.

Attended International/National Faculty Development Programs (FDP's): 25

Research projects sanctioned : 01 Minor project (Completed)

Research grants received from the University : 01 (Seed Money)

Titles of Five (5) Resent Publications:

- [1]. Analysis of the chemical states and microstructural, electrical, and carrier transport properties of the Ni/HfO₂/Ga₂O₃/n-GaN MOS junction, J Mater Sci: Mater Electron, 34:792 (2023),
- [2]. Rapid thermal annealing influences on microstructure and electrical properties of Mo/ZrO₂/n-Si/Al MISM junction with a high-k ZrO₂ insulating layer, Physica B: Physics of Condensed Matter. 648-4144 (2023).
- [3]. Influence of single and double interlayers on the electrical and current transport mechanism of Mo/n-Si Schottky diode and its microstructural and chemical properties, Applied Physics- A, 129, 467 (2023).
- [4]. A wide solar spectrum utilization and fast charge carrier transport upon variable GaAs interlayer thickness in ZnPc/GaAs/ZA hybrid thin-film structures, Surfaces and Interfaces, 34, 102291 (2022).
- [5]. Highly sensitive and cost-effective metal-semiconductor-metal asymmetric type Schottky metallization based ultraviolet photodetecting sensors fabricated on n-type GaN, Material science in semiconductor processing, 138, 106297 (2022).

Memberships:

- [1]. Indian Science Congress LIFE Member, **Number - L31358.**
- [2]. I enrolled as life member of the Indian Association of Physics Teachers-**11922 L7888.**
- [3]. Member in International Association of Advanced Materials.
- [4]. NCC-'B' and 'C' Certificate Holder (11-Andhra Air wing from 2006-2009)

Administrative Positions:

- I/C Coordinator, IQAC from the department of Physics, SPMVV, Tirupati.
- In charge NAAC Criteria-III
- Acted as a Mentor of the student, and in-charge coordinator in alumni meet programs.

(Dr. V. Manjunath)