Dr. KIRAN MADHALE

Associate Professor in Physics

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Expertise

Nanomaterials, Supercapacitors

Work experience

Walchand College of Engineering, Sangli 1996 — Present

Education

1. **Ph.D. – 2025 Dr. Homi Bhaba State University, Mumbai**
2. **M.Sc. – 1993 Shivaji University, Kolhapur**
3. **B.Sc. – 1991 Shivaji University, Kolhapur**

Honours and Awards

1. **Outstanding Nodal Officer 2024 - Sangli District Collector**
2. **Guruvarya Rajyastariya Shikshanratna Puraskar - 2024 Pratistha Foundation**

Membership in Professional Bodies

1. **Indian Association of Physics Teachers (IAPT), 2014 Life Member**
2. **Indian Society of Technical Education (ISTE), 1998 Life Member**

Patent

1. **LPG GAS SENSOR: Design Patent** No.421317-001, Date 26-06-2024
Inventor(s): 1.Mr. Arif Dastagir Shaikh 2. Dr. Aniruddh Arun Mohite 3.Mr. Shubham Dwarkesh Jituri 4.Dr. Pavan Karbhari Pagare 5.Dr. Sarfraj Hisamuddin Mujawar 6.Mr. **Kiran Vinayak Madhale**, Assignee: Mr. Kiran Vinayak Madhale published: 2024-09-12

Publication

1. **Facile combustion synthesis of Granular-like La1-xSrxMnO3 Perovskites as electrode material for supercapacitor application**

K.V. Madhale and M.M. Faras and A.A. Mohite and U.V. Shembade and S.R. Gurav and A.P. Torane and S.B. Kulkarni

Journal of Energy Storage, Volume 101, Year 2024, Pages 113841

2. **Combustion-synthesized rGO@LaSrMnO3 electrode for supercapacitor application**

Madhale, K.V., Mohite, A.A., Faras, M.M. et al.

Journal of Materials Science: Materials in Electronics, Volume 35, Year 2024, Pages 1837

3. **Sol-gel derived aluminum doped zinc oxide thin films: A view of aluminum doping effect on physicochemical and NO2 sensing properties**

A.R. Nimbalkar and N.B. Patil and V.V. Ganbavle and S.V. Mohite and K.V. **Madhale** and M.G. Patil

Journal of Alloys and Compounds, Volume 775, Year 2019, Pages 466-473

4. **Design of PWM Controlled Three Phase Induction Motor Drive with Soft-start and Redundancy**

Jamadar B.N, **Madhale K.V**, Sutrave D.S.

2018 International Conference on Circuits and Systems in Digital Enterprise Technology, ICCSDET 2018, Volume, Year 2018

5. **Structural, morphological and hydrophilic properties of monocrystalline NiFe2O4 by combustion route**

Madhale, Kiran and Salunkhe, Maheshkumar and Bangale, Sachin

Archives of Applied Science Research, Volume 2013, Year 2013, Pages 62-67

6. **Synthesis and gas sensing properties of monocrystalline ZnO by co-precipitation technique**

Bangale Sachin and Prakshale, Reshma and **Madhale Kiran** and Kamble Damayanti and Dhale Ravindra and Bamane Sambhaji

International Journal of Porous Materials, Volume 2, Year 2012, Pages 20-24

7. **'Effect of Cu4SnS4 Layer Thickness on the Photovoltaic Parameters of Photoelectrochemical Solar Cells '**

Shelke, H. D. and Mohite, A. A. and Torane, A. P. and **Madhale K. V**. and Lokhande, C. D. and et al.

ES Materials & Manufacturing ', Volume '18 ', Year 0, Pages '66-76 '

Honours and Awards

गुरुवर्य सेवा प्रतिष्ठान महाराष्ट्र राज्य यांचा "गुरुवर्य शिक्षणरत्न राज्यस्तरीय पुरस्कार"

दिनांक १३/१०/२०२४

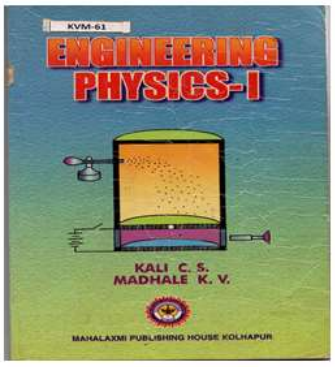
ठिकाण: जयसिंगपूर

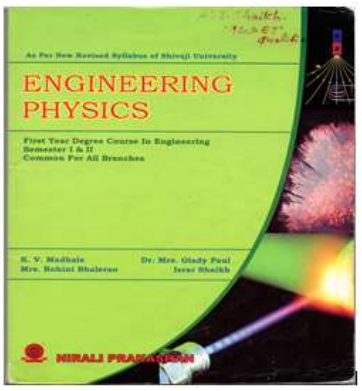
Outstanding Nodal Officer Award 2024

Prof. Kiran Madhale, Walchand College of Engineering, Sangli was honored with 'Outstanding Nodal Officer Award 2024' for his work in creating awareness among students about right to vote, democracy, innovative initiatives implemented for it, registration of new voters.

State Chief Electoral Officer Shri. Shrikant Deshpande and Sangli District Collector and District Election Officer Dr. Raja Dayanidhi gave the award to Prof. Kiran Madhale. This program was held on 28 February 2024 at District Collector Office Sangli.

Text book of "Engineering Physics": Dr. Kiran Madhal





Winner of Second prize for poster presentation in International Conference on "Recent Innovation in Nano-Bio-Polymer-Pharmaceutical Technologies" on January 13-14, 2013 at SRTM University, Nanded.