



- **Name** : **PREMJEET GAJANAN JADHAV**
- **Department** : **PHYSICS**
- **Current designation** : **ASSISTANT PROFESSOR**
- **Gender** : **MALE**
- **Birth Date.** : **07/04/1988**
- **Specialization** : **PHYSICS (SOLID STATE ELECTRONICS)**
- **Educational Details** : **B.Sc., M.Sc., B.Ed., SET, Ph.D. (ongoing)**
- **Experience (academic)** : **09 years**
- **Research**

Research publications:

1. Premjeet G. Jadhav and D.S.Bhavsar “Synthesis and characterization of cadmium selenide thin films by vacuum deposition technique.” International journal for research in applied science and engineering technology 7.4 (2019): 302 – 306
2. Premjeet G. Jadhav and D.S.Bhavsar “Synthesis and characterization of zinc selenide thin film by vacuum deposition technique.” International journal for research in applied science and engineering technology 7.4 (2019): 1113 – 1116
3. Premjeet G. Jadhav and D.S.Bhavsar “Characterization of zinc doped cadmium selenide ($\text{Cd}_{1-x}\text{Zn}_x\text{Se}$) thin films by vacuum deposition technique.” Journal of emerging technologies and innovative research 6.4 (2019): 276 – 280
4. Premjeet G. Jadhav and D.S.Bhavsar “Comparative study of characterization of CdSe, ZnSe and $\text{Cd}_{0.5}\text{Zn}_{0.5}\text{Se}$ thin films prepared by vacuum deposition technique.” Journal of emerging technologies and innovative research 6.5 (2019): 529 – 534
5. Premjeet G. Jadhav and D.S.Bhavsar “Study of Properties of Vacuum Deposited ZnCdSe ThinFilms.”Journal of emerging technologies and innovative research 7.2 (2020): 182 – 186
6. Premjeet G. Jadhav, K.B.Mahajan, and V.R.Khadse “Review of Articles on Forest Fires in Amazon, Australia and Theair pollution in Delhi: The Burning Issue” journal of engineering sciences11.4 (2020) : 1310 – 1314

7. Premjeet G. Jadhav, K.B.Mahajan, and V.R.Khadse “Nanotechnology around Human life: A Review” journal of engineering sciences 11.4 (2020) : 1264 – 1272
8. V. R. Khadse , K. B. Mahajan , Kavita Patil and Premjeet Jadhav “Effect of surfactants on Synthesis of the CeO₂ nano particles by hydrothermal method.” journal of engineering sciences 11.4 (2020) : 1247 – 1251
9. K.B.Mahajan, V.R.Khadse, Premjeet G. Jadhav, and K.G.Kolhe “Green Synthesis of metal oxide Nanoparticles and their humidity sensing study” journal of engineering sciences 11.4 (2020) : 1277 – 1284

● **Paper presented in Conferences:**

1. “characterizations of cadmium selenide thin films prepared by vacuum deposition technique,” second national conference on changing paradigm in chemical sciences, 27 Sept. 2019, Bhusawal arts, science and P.O.Nahata commerce college, Bhusawal.
2. “Study of properties of vacuum deposited ZnCdSe thin films,” National conference on innovative research in science and technology, 17 – 18 Dec. 2019, Shivaji science college, Amravati
3. “Review of Articles on Forest Fires in Amazon, Australia and The air pollution in Delhi: The Burning Issue”, national conference on recent trends in bioscience and environmental sciences, 16 – 17 January 2020, Moolji Jaitha College, Jalgaon.
4. “comparison of optoelectronic properties of vacuum deposited CdSe thin films” National conference on emerging trends in physical sciences and chemical sciences, 18 January 2020, Shirish Madhukarrao Chaudhari college, Jalgaon.
5. “Nanotechnology in clean energy conversion and storage devices” International conference on clean energy conversion and storage technologies”, 30 April 2020, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi, Sindhudurg.
6. “Study of Optoelectronic Properties of CdSe thin films for sensor applications” , International EConference on ethical and quality aspects in nanoscience and nanotechnology research, 20 June 2020, Vasantraonaik arts, commerce and science college, Shahada, Nandurbar

● **Conferences attended:**

1. “International E-Conference on strategies and challenges in higher education during covid 19 lockdown period in India with reference to the world”, 15 – 17 May 2020, Government vidarbha Institute of Science and Humanities, Amravati, Maharashtra.

2. “National conference on Green Intellectual Properties for Health care innovations globally” 16 – 17 May 2020, School of pharmacy and research, Peoples University, Indore, M.P.
 3. “National web conference on Green catalysis and material chemistry” 27 May 2020, AnandibaiPradhan Science College, Nagothane, Roha, Raigad.
 4. “National online conference on Environmental Conservation”, 5 June 2020, PunyashlokAhilyadeviHolkarSolapur University, Solapur.
- **Invited talks /guest lecturers:** “Special for theory and practices in board exam for XIIth students, 16 and 19 January 2020., Kendriy Vidyalaya Ordnance Factory, Bhusawal.
 - **Responsibilities shouldered:** Technical session committee and publication of research papers in National conference on Nanostructured and Amorphous materials: Synthesis, Characterization and Application, 28 – 29 Feb. 2020., Organised by Department of Physics, M.J.College, Jalgaon.
 - **Participation in extracurricular activity:**
 1. Online Workshop On Curriculum Development In Physics at T.Y.B.Sc., 15 – 16 May 2020, on behalf of K.B.C.N.M.U., Jalgaon, organized by P.S.G.V.P. Mandals S.I. Patil arts, G.B. Patil Science and S.J.K.V.S. Commerce college, Shahada, Nandurbar.
 2. Donated blood in blood donation camp organised by M.J.College on 6th Dec. 2019
 3. Member of Setting arrangement committee, Tenthouse committee and Electric committee in annual function 2020
 - **Others:**
 1. Successfully completed Orientation course from 3rd June to 1st July 2020
 2. Successfully completed 19 short term certificate courses
 3. Successfully completed 3 Faculty development programmes.
 4. Participated in 18 National and International Webinars.
 5. Participated in 15 awareness programmes and quizzes.
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