

BIO DATA

Name : Dr. ATULA UDAY PATIL
E-mail: : atula_jadhav@yahoo.co.in
Birth date : 21/06/1979.
Educational Qualification : M.Sc.Ph.D
Teaching Experience:

Name of Institute	Post	Period
Shri Vijaysinha Yadav Atrs and Science College Peth vadgaon	Lecturer	14 June 2006 to April 2007
Tataysaheb Kore Institute of Engg. And Technology, Warananagar	Lecturer	From 16 th July 2007 to 10 sep.2009
Department of Technology, Shivaji university, kolhapur	Lecturer	From 11 sep.2009 to 18 dec.2011
Institute of Science, Mumbai	Assistant Prof.	21 Jan. 2012 to 4 Aug 2014
Rajaram College, Kolhapur	Assistant Prof.	5 Aug.2014 to till date

Research experience:

Position	Institution	Dates
Project Technician U.G.C., New Delhi, Superconductivity R & D Project, Electrochemical processing and critical current studies of Thallium and Mercury based superconducting films and tapes	School of Energy Studies, Department of Physics, Shivaji University, Kolhapur- 416 004 INDIA	30/10/2001 to 21/03/2002
Project Assistant U.G.C., New Delhi, Superconductivity R & D Project, Electrochemical processing and critical current studies of Thallium and Mercury based superconducting films and tapes	School of Energy Studies, Department of Physics, Shivaji University, Kolhapur- 416 004 INDIA.	22/03/2002 to 30/11/2002

Research Awards during Ph.D work :

MNES New Delhi, Govt. Of India awarded JRF under National renewable energy fellowship scheme from 2002-2005.

Participation in Training/workshops/RC/OP:

1. “STP: Foundation training program for Assistant Professor in Higher Education Department,” organized by YASHDA, Pune 29 July to 10 Aug.2013.
2. Worked as organizing member for Awareness workshop on Consortium for Scientific Awareness” organized by Department of Physic , Rajaram college, Kolhapur on Feb .2015
3. Worked as Examiner/ Judge for essay competition organized by Marathi Vidyan Parishad, Kolhapur on 30/11/2016.
4. General Orientation Programme attended from 2/12/16 to 29/12/16 at Department of Technology, Shivaji University, Kolhapur
5. Familiarization workshop on patents and IPR” organized by research committee, Rajaram college, Kolhapur on 8 Feb. 2017.
6. Refresher course on “Recent trends in Physics of Materials Science and Technology” participated from 17 July 2017 to 5Aug 2018 at JNTU, Hyderabad.
7. One day teacher workshop on “New changed syllabus of B.Sc. I Physics (CBCS) on 24 Aug 18 at D. P. Bhosale College, Koregaon.
8. Worked as organizing member for workshop on “Frontiers in interdisciplinary Research”, organized by Department of physics on 18 th Jan 2018.
9. Worked as organizing member for Awareness programme on different government scholarships for students on 30th Aug . 2019
10. Workshop on revised B.Sc. II curriculum of Physics Paper VIII at Rajarshi Chhatrapati Shahu college, Kolhapur on 16/9/2019.
11. Convenor for National Seminar on Indian Space Research Programme : Legacy of Dr. Vikram Sarabhai organized by Department of physics on 28 Dec.2019
12. Worked as resource person for the remedial class at B. Tech. I at Department of Technology July 2019, Shivaji University, Kolhapur.
13. Swayam ARPIT online Refresher course on Teacher and Teaching in Higher Education on 16/02/2020

14. Two week FDP on “ Managing online classes and co-creating MOOCs” organized by TLC Ramanujan College, University of Delhi from April 20-May 2020
15. “Effective and Efficient Online Teaching in the age of Corona, A hands on workshop” online training organized by Teaching Learning Centre (ICT) at IIT Bombay on 23 May 2020.

List Of Research Publications :

❖ Journal Publications :

1. **A. B. Jadhav** and S.H. Pawar, "Electrochemical Synthesis of Superconducting Magnesium Diboride thin Films: A Novel Potential Technique", **Superconductor Science and Technology**, **16(2003)752**.
2. **A. B. Jadhav**, K.M. Subhedar, R.S. Hyam, A. Talpatra, Pintu Sen, S. K. Bandyopadhyay and S.H. Pawar, “Formation of MgB₂ at ambient temperature with an electrochemical process: a plausible mechanism” **Superconductor Science and Technology**, **18 (2005)L29**.
3. S. H. Pawar, P. M. Shirage, D. D. Shivagan and **A. B. Jadhav**, “Novel room temperature electrochemical deposition of high temperature superconducting films” **Modern Physics Rev. B 18(12-13) (2004) 505-549**.
4. P.M. Shirage, D. D. Shivagan, **A.B. Jadhav**, and S.H. Pawar, “Thickness dependent transport properties of Tl-2223/Al heterostructure” **Indian J. Cryogenics Council 28(3) (2003) 103**.
5. **A. B. Jadhav** and S. H. Pawar, “ Recent Advances in Development of MgB₂ Superconductor for Applications” **Indian J. Cryogenics Council 28(3)(2003) 90**
6. **A. B. Jadhav** and S.H. Pawar, “Applications of Superconductors in energy”, A Book Chapter , Narosa Book Publishers, New Delhi, Edited by S. H. Pawar and L A. Ekal, 2003.

❖ Seminars/ Conferences/Workshops:

16. **A. B. Jadhav** and S. H. Pawar “Electrochemical Synthesis of Superconducting Wires For Large Scale Energy Applications”, National Symposium on Recent Advances in Renewable Energy Technologies, Kolhapur, Aug.13-15, 2002.
17. Rani A. Sutar, P.M. Shirage, D.D. Shivagan, **A. B. Jadhav** and S. H. Pawar, “Studies on Fabrication of Optical Sensor with Tl-2223 Superconductor Films”, National Symposium on Recent Advances in Renewable Energy Technologies, Kolhapur, Aug.13-15, 2002.

18. **A. B. Jadhav** and S. H. Pawar “Electrochemical Synthesis of Superconducting Wires For Large Scale Energy Applications”, National Symposium on Recent Advances in Renewable Energy Technologies, Kolhapur, Aug.13-15, 2002.
19. S. H. Pawar, **A. B. Jadhav**, P.M. Shirage and D. D. Shivagan , "Synthesis Of Superconducting MgB₂ Films By A New Novel Route" MRSI 13th AGM Hyderabad, Feb, 7-9, 2002.
20. P. M. Shirage, D. D. Shivagan, **A. B. Jadhav**, and S.H.Pawar, “Studies on Electrochemical Oxidation and Structural Properties of TBCCO Superconducting Films", MRSI 13th AGM Hyderabad, Feb, 7-9, 2002.
21. D. D. Shivagan P. M. Shirage, **A. B. Jadhav**, and S. H. Pawar, "Photoinduced Effects in Pulse Electrodeposited Ag/Hg-1223/CdSe Hetero Nano-Structures" MRSI 13th AGM Hyderabad, Feb, 7-9, 2002.
22. **A.B. Jadhav**, P. M. Shirage, D.D. Shivagan, L. A. Ekal and S. H. Pawar “ Studies on Synthesis Of Superconducting MgB₂Film”, Seventh International Symposium on Advances in Electrochemical Science and Technology, Chennai (Madras), Nov. 27-29, 2002.
23. P.M. Shirage, D. D. Shivagan, L.A. Ekal, **A. B. Jadhav** and S. H. Pawar “Studies on Photoinduced Changed in Electrochemically Synthesized Tl-Ba-Ca-CuO Superconducting films”, Seventh International Symposium on Advances in Electrochemical Science and Technology, Chennai (Madras) , Nov. 27-29, 2002.
24. D. D. Shivagan, P. M. Shirage, L.A. Ekal, **A. B. Jadhav** and S.H. Pawar “Pulse Electrodeposition of Ag/Hg-1223/CdSe Heterostructures and their Interface Studies”, Seventh International Symposium on Advances in Electrochemical Science and Technology, Chennai (Madras), Nov. 27-29, 2002.
25. L. A. Ekal, D.D.Shivagan, P.M. Shirage, **A. B. Jadhav** and S. H. Pawar,“ Electrochemical Oxidation of Y-Ba-Cu and Tl-Ba-Ca-Cu Alloy Films Using an Alkaline Bath,” Seventh International Symposium on Advances in electrochemical Science and Technology, Chennai (Madras) , Nov. 27-29, 2002.
26. **A B. Jadhav** and S. H. Pawar “Studies on Growth Mechanism of MgB₂ Films by Electrochemical Route” 14th AGM-Materials Research Society of India, BARC, Mumbai, Feb.11-13, 2003.

27. **A. B. Jadhav**, S. P. Kharade, P. M. Shirage and S. H. Pawar, “Study of Copper Doping in MgB₂ Films” MRSI –15th AGM, BHU Varanasi 9th –11th Feb. 2004.
28. B. B. Patil, **A. B. Jadhav** and S. H. Pawar, “Electrodeposition and Nucleation Growth Mechanism of Ce_{0.8}Sm_{0.02}Ni_{0.18}O_{1.9}Thin Films”, ICEPS-2004, Hyderabad, 20-21 Dec.2004.
29. **A. B. Jadhav**, D. M. Phase, V. Ganeshan and S. H. Pawar, “Effect of Post heat Treatment on Surface morphology of MgB₂ Films”. 16th AGM, MRSI NCL Pune, 10th -12th Feb. 2005.
30. R.S. Kalubarme, M. B. Kadam, **A. B. Jadhav** and S. H. Pawar, “Substrate dependent Voltammogram Studies of Electrochemical Bath to Prepare Clusters of Ti-Ba-Ca-Cu in Thin Films” 16th AGM, MRSI NCL Pune, 10th -12th Feb. 2005.
31. B. B. Sinha, **A. B. Jadhav** and S. H. Pawar, “Voltammetry Study of MgB₂ Films on Different Substrates”, 16th AGM, MRSI NCL Pune, 10th -12th Feb. 2005.
32. Workshop attended “National Seminar on Materials Processing and Characterization Techniques (NS-MPCT)” from 28-29th March 2005 at Shivaji University, Kolhapur.
33. ISTE workshop on “ Solar Photovoltaics: Fundamentals, Technologies and Applications”, conducted by Indian Institute of Technology Bombay from 12-22 Dec.2011.
34. National conference on , “Materials for Future Technology (2014)” organized by Department of Physics, Rajaram college, Kolhapur on 25-26th Sep .2014
35. National conference on , “Recent Trends & Future Prospects in Microbiology” organized by Department of Microbiology, Rajaram college, Kolhapur on 4-5th Oct. 2014
36. One day workshop on Choice Based Credit System under lead college scheme at Rajaram college, Kolhapur on 3 Oct 2015.
37. One day seminar in physics, “Recent Developments in Physics on 19 Jan 2017 organised by Department of Physics , Rajarshi Chhatrapati Shahu College Kolhapur.
38. “One day seminar on “Energy Audit – Do it yourself” organized by Institution of Engineers Kolhapur and DOT, Shivaji University, Kolhapur.