

## BIODATA

<b>NAME</b>	:	Dr. Devmunde Bhausahab Housarao
<b>DESIGNATION</b>	:	Asst. Professor
<b>DEPARTMENT</b>	:	Department of Physics
<b>QUALIFICATION</b>	:	M.Sc. Physics, B.Ed. Ph.D
<b>EMAIL ID</b>	:	<a href="mailto:bhdevmunde05@gmail.com">bhdevmunde05@gmail.com</a>
<b>TEACHING EXPERIENCE</b>	:	16 Years
<b>RESEARCH EXPERIENCE</b>	:	10 Years
<b>BOOK PUBLISHED</b>	:	N.A.

### **RESEARCH ARTICLES PUBLISHED**

1. B.H. Devmunde, A.V. Raut. S.D. Birajdar, ST Shukla, D.R. Shengule and K.M. Jadhav , "Structural, Electrical, Dielectric, and Magnetic Properties of Cd<sup>2+</sup> Substituted Nickel Ferrite Nanoparticles " Hindawi Publishing Corporation, Journal of Nanoparticles, Volume 2016, Article ID 4709687, 8 pages, <http://dx.doi.org/10.1155/2016/4709687>
2. B.H. Devmunde, M.B. Solunke, D.R. Shengule "Electrical and Frequency Dependent Dielectric Behavior of Cadmium Substituted Nickel Ferrites" BIONANO FRONTIER, Vol. 8 (3) December 2015. Print ISSN 0974-0678, Online: 2320- 9593, [www.bionanofrontier.org](http://www.bionanofrontier.org).
3. CM.Kale, M.C. Sable, M.K. Babrekar, B.H. Devmunde, S.J. Shukla "Electrical properties of Titanium Doped Nickel Ferrite" JAAST: Material Science (Special Issues) December 2014 Vol. 1/ Issue 2/Page 120-122, ISSN: 2393 - 8188 (Print) 2393- 8196 (Online) [www.Milliyasrcollege.org.journal.php](http://www.Milliyasrcollege.org.journal.php).
4. B.H. Devmunde CM. Kale, S.J. Shukla "Effect of Cd<sup>2+</sup> Substitution on Nanocrystalline Nickel Ferrites" IJARBAS. Vol. 1 (1) Dec 2014 ISSN 2394-4072

- 5.** Siddheshwar D. Raut. Vishal V. Awasarmol, Pravina.p. Pawar, B.H. Devmunde, Madhukar .B. Solunke "Effective atomic number and electron density of nonomaterials: A Compatative Study" I IARBAS, Vol.2. Issue 2, Jan 2016 Issn. 2394-4072
- 6.** Vishal V. Awasarmol. Siddheshwar D. Raut, Pravina.p. Pawar, B.H. Devmunde Madhukar. B. Solunke "Studies on effective atomic number and effective electron density of 2-aminofluorene in the energy range 122 Kev to 1330 Kev" IJARBAS Vol 02 Issue 2: Jan 2016 ISSN NO. 2394-4072
- 7.** M.B. Solunke. M.M. Hivrekar, B.H. Devmunde "SEM. energy dispersive spectroscopy and porosity Studies of Bi-2212 HTSC." IJARBAS Vol. 2, Issue 1 July 2015. ISSN No. 2394-4072
- 8.** B.H. Devmunde, "Different Kinds of teaching methods in physics by using Technological aids & simple teaching aids" National Seminar on Innovative Teaching Mehtods In physics ISBN 978-81 - 926750-0-9
- 9.** B.H. Devmunde, S.J. Shukla, K.M. Jadhav "Synthesis and Structural Characterization of Ni-Cd Ferrites" Processing NCMTA- 2013. ISBN-978-9383587-03-2
- 10.** Devmunde. B.H. and Solunke M.B. "Substitutional Effect of cadmium on Bi-Sr-W-o Superconducting Material" NCANAP2013 PROCEEDING (Feb. 2013) \x-xx ISBN 978-81-924820-3-3
- 11.** M.B. Solunke, B.H. Devmunde and M.M. Hivrekar. " Comparative Study of Al and Ag Added High Temperature Superconductor" National Conference on Non Conventional Energy Sources For Rural Development of India.

- 12.**CM. Kale. R.B. Kaude. S.V. Kshirsagar S.R. Godse. B.H. Devmunde P.P. Bardapurkar S.J. Shukla. K.M. Jadhav "Influence of Mn<sup>4+</sup> Tetravalent Sustitution on the Magnetic Properties of Nickel Ferrite" 1st International Conference on Physics of Material & Materials Based Device Fabrication Dept of Physics Shivaji University Kolhapur
- 13.**S.B. Shelke. Santosh Wagh. M.L. Mane. Sunil Satpute, B.H. Devmunde, V.S. Shinde. C.I. Nikam "Tailoring The Structural and magnetic properties of co<sup>2+</sup>~Substituted Co-Cu-Cr Ferrite nano particles." IJ ARB AS Sepcial Issue: Jan 2017 ISSN No. 2394-4072.
- 14.**G.B. Kadam. S.R. Godse. R.T. Denge. P.S. Aghav. R.G. Dorik B.H. Devmunde. K.M. Jadhav "Effect of samarium Doping on mixed Ni-Zn Spinel ferrite" IJARBAS Sepcial Issue: Jan 2017 ISSN No. 2394-4072.
- 15.**B.H. Devmunde, M.Shioorkar, J. Bharad & M. Ubale "Environmentally Benign Alum Catalyzed Efficient Synthesis of 2,3-Dihydroquinazoline - 4 (1H) - Ones Derivative in Water" Aayushi International Interdisciplinary Research Journal (AIIRJ) ISSN 2349-638X, Special Issue No. 25, Page No. 453 to 456.
- 16.**M.B. Solunke & B.H. Devmunde "Energy Dispersive X-Ray (EDAX) SEM & IR Spectroscopy Study of Cd<sup>2+</sup> Substituted to Nickel Ferrite Nan particles" National Conference on Functional Material Synthesis & Characterization Techniques (NCFMSCT-2019) Sponcered by Dr. B.A.M.U. Aurangabad, Organized by Department of Physics, Vaidyanath College Parali Vaijanath, Dist. Beed.

17.D. Kakde, Barote, B.H. Devmunde & A.S. Pandit "A Study of Role of Tungston Oxide on Structural Magnatic Properties of NICUZN Ferrite" National Conference on Recent Trends in Material Science & Nanotechnology (RTMSN-2019) 17<sup>th</sup> March 2019.

**RESEARCH PAPER PRESENTED**

Sr. No.	Title of Paper	Level	Place	Period
1.	Finite Size Effect on the Structural and Magnetic Properties of Ni <sub>(1-x)</sub> Cd <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> Ferrite Synthesize By Sol-Gel Method	National	Department of Physics Dr. B.A.M.U. Aurangabad	Jan - 2007
2.	Magnetic Properties Of Ni-Cd Ferrite	National	Vinayakrao Patil College Vaijapur Dist Aurangabad	23-30 Dec 2011
3.	Influence of Mn <sup>4+</sup> Tetravalent Substitution on the Magnetic properties of Nickel Ferrite	National	Shivaji Univeristy Of Kholapur	17-19 <sup>th</sup> Jan 2012
4.	Different Kinds of Teaching Methods In Physics By Using Technological Aids And Simple Teaching Aids	National	Deogiri College of Aurangabad	30-31 Aug 2013
5.	Synthesis And Structural Characterization of Ni-Cd Ferrite	National	Maulana Azad College of Arts, Science. And Commerce Aurangabad	29-30 Nov 2013

6.	Comparative Studies of Al & Ag Added High Temperature	National	Mahatma Gandhi Mahavidyalaya Ahemadpur Dist Latur	5-6 Sept 2014
7.	Effect of Cd <sup>2+</sup> Substitution On Nano- crystalline Nickel Ferrites	National	K.S.K. Alias Kaku Arts, Science And BCom. College Beed	12-13 Dec 2014
8.	Electrical Properties of Titanium Doped Nickel Ferrite	National	Miliya Arts. Science And Management Science College Beed	23-24 Dec 2014
9.	Electrical And Frequency-Dependent Dielectric Behavior of Cadmium Substituted Nickel Ferrites	National	Department of Physics Dr. B.A.M.U. Aurangabad	28-30 Dec 2015
10.	Application Review : Information Communication Technology In The Field Of Agriculture	National	S.M.B.S.T.College of Arts. Science & Com Sangamner Dist Ahemadnager	17-Dec 2016
11.	Tailoring The Structural and magnetic properties of co <sup>2+</sup> Substituted Co-Cu- Cr Ferrite Nano Particles.	National	Rajashri Shahu Arts. Commerce. And Science College Pathri Tq. Phulambri Dist Aurangabad.	21-Jan 2017

12.	Energy Dispersive Spectroscopy & Infrared Properties of Cd <sup>2+</sup> Substituted no Nickel Ferrite Nano Particles	National	Indraraj Arts, Commerce & Science College, Sillod Dist. Aurangabad	16 - Dec 2017
13.	"Environmentally Benign Alum Catalyzed Efficient Synthesis of 2,3-Dihydroquinazoline - 4 (1H) - Ones Derivative in Water"	International	S.S.S.K Innani Mahavidyalaya Kanjalad, Dist. Washim, Vidya Bharati Shikshan Mandal Amravati	22-23 March 2018
14.	"A Study of Role of Tungston Oxide on Structural Magnatic Properties of NICUZN Ferrite"	National	Anandrao Dhonde Alias Babaji Mahavidyalaya Kada, Tq. Ashti, Dist. Beed.	17-March 2019

**CONFERENCE /SEMINAR/WORKSHOP ATTENDED :**

Sr.No.	Conference/Seminar/Workshop	Level	Place	Period
1.	Seminar - Higher Education : SC/ST Students Opportunities And Adversities	National	Millind College of Science Aurangabad	16- 17 <sup>th</sup> Sep 2004
2.	Conference- (Rajya Mahila Parishad )	State	Millind College of Science Aurangabad	7 <sup>th</sup> Aug 2006
3.	Workshop - Practical Demonstration On Some Theoretical Concept in Physics	District	Deogiri College of Aurangabad	2 <sup>nd</sup> Oct 2007

4.	Seminar-Recent Research Trends in Chemistry	National	Millind College of Science Aurangabad	15- 16 Feb 2008
5.	Seminar- Modern Concepts In Animals Biodiversity and Biotechnology	National	Millind College of Science Aurangabad	21-22 Aug 2008
6.	Seminar- Observational Facilities For Astronomical Studies	National	Millind College of Science Aurangabad	Jan 2009
7.	Workshop - Physics Practicals	University	Deogiri College of Aurangabad	22-Jan 2011
8.	Workshop- Academic Performance Indicator: Its Effect On Teaching Learning And Evaluation	University	Deogiri College of Aurangabad	25 - Jan 2011
9.	Workshop- Public Private Partnership: perspectives. Experiences And Civil Society Initiatives In India	National	Vivekanand Arts. S.D. Com And Sci College Aurangabad	6- 7 Jan 2012
10.	Conference- Current Trends In Chemical Research	National	Vasantrya Naik Mahavidyalaya Aurangabad	30-31 Aug 2012
11.	Excellence And Talent Nurturance Program (ETNP) of MKCL	District	Aurangabad	3-5July 2013
12.	Conference: Gender Inequality	National	Vivekanand Arts, S.D. Com & Sci College Aurangabad	18-19 Jan 2014

13.	Workshop: On Statistical Analysis (SPSS)	College	Vivekanand Arts, S.D. Com & Sci College Aurangabad	11-Sep 2014
14.	Seminar - Feminist Study; Texts, Contexts and Practices	National	Vivekanand Arts, S.D. Com & Sci College Aurangabad	20-21 Feb 2015
15.	Seminar - Routes To Strength the Research in Life Sciences	State	Vivekanand Arts, S.D. Com & Sci College Aurangabad	24-Feb 2015
16.	Marathwada Pani Prashna, Upay Yojana	National	Dr. B.A.M.U. Aurangabad	1-Feb 2016
17.	Intellectual Property Rights : A Special Reference To Patentina one day seminar	District	Vivekanand Arts, S.D. Com & Sci College Aurangabad	13- Oct 2017
18.	Two days State Level Workshop on E-Content Development	University	Vivekanand Arts, S.D. Com & Sci College Aurangabad	29-30 Sept. 2018
19.	National Conference on Nano Materials & Nano Technology	National	MSP Mandal Shri Muktanand College, Gangapur, Dist. Aurangabad	01/12/2018



20.	Two days State Level Workshop on "Laboratory Expt. in Physics	State	BPHE Society Ahmednagar College, Ahmednagar	11 <sup>th</sup> & 12 <sup>th</sup> Jan 2019
21.	National Level Sminar Recent Advances in Physical Sciences	National	S.B.E.S College of Science Aurangabad	14 Feb 2018
22.	NSS Workshop	University	Dr. B.A.M.U. Aurangabad	11 Oct 2017

<b>RESEARCH STUDENTS</b>	:	1) <b>REGISTERED - 2</b> 2) <b>THESIS SUBMITTED - (NO)</b> 3) <b>AWARDED - (NO)</b>
<b>RESEARCH PROJECT / SURVEY</b>	:	<b>MAJOR / MINOR</b> 1) <b>ONGOING - (NO) FUNDING AGENCY</b> 2) <b>COMPLETED - (NO) FUNDING AGENCY</b>
<b>INVITED / SPECIAL LECTURES</b>	:	
<b>MEMBERSHIP OF PROFESSIONAL BODIES</b>	:	<b>NO</b>
<b>VISITS ABROAD</b>	:	<b>NO</b>

#### **ANY OTHER CO-CURRICULAR & EXTENSION ACTIVITIES**

1. Worked as NSS Program Officer.
2. Worked as an understudy for Dr. B.A.M.U. Aurangabad Exam M/A 2012  
Oct/Nov-2012, Oc/Nov-2013 Mar/April 2014
3. Worked as a member B.Sc. Admission Committee.
4. Worked as Co-Ordinates Remedial Coaching Classes.

5. Member of Placement Cell.
6. Worked as convener Infrastructure Maintenance Committee.
7. Member of faculty Training Committee.
8. Worked as convener Data Collection Committee.
9. Member of college Application Committee.
10. Examiner U.G. Theory Exam.
11. Moderator U.G. Theory Exam.
12. External & Internal Examiners U.G. Practical Exam
13. Counciller of IGNOU For B.Sc.
14. Delivered lectures on different topics
15. Worked as a subject Expert in CAS Promotion.
16. Worked as member of central Research Facility.
17. Worked as member in college National Level Seminar.
18. Worked as NCC Programme Officer
19. Worked as PRO in Election Commission
20. Worked as Co-Ordinator of SHREYAS Portal

**DR. B.H. DEVMUNDE**

Asst. Professor

Dept. Of Physics