

## Curriculum Vitae



**Name** : Dr. Dhananjay Natthuji Bhoyar

**Qualification** : M.Sc., B.Ed., SET, Ph.D.

**Designation** : Assistant Professor

**College** : Shri Shivaji Science & Arts College Chikhli, Dist. Buldana (M.S) 443201

**Address** : At Parsodi (Bu), Post- Sawargon, Tq- Kalmb, Dist Yavatmal. Maharashtra, India (445401)

**CellNo.** 8055253272

**E-Mail** : dnb140@gmail.com

**Date of Birth** : 31/12/1990

**Date of joining** : 23/09/2019

**Nationality** : Indian

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### Academic Qualification Details :

Examination passed	College/ Institute	Board/ University	Subject/ Specialization	Year of passing	Division /Grade
S.S.C.	Girijan Vidyalaya Chikhaldara	Maharashtra State Board	General	2006	I <sup>st</sup>
H.S.S.C.(10+2)	Govt. Technical Jr. College Amravati	Maharashtra State Board	Science + Vocational (Electrical Maintains)	2008	I <sup>st</sup>
B.Sc.	Government Vidarbha Institute of Science & Humanities, Amravati	Sant Gadage Baba Amravati University, Amravati	Physics, Mathematics, Computer Science	2011	II <sup>nd</sup>
M.Sc.	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Physics	2013	I <sup>st</sup>
B.Ed.	Jagdamba College, Kalamb	Sant Gadage Baba Amravati University, Amravati	Physics, Mathematics	2016	I <sup>st</sup>
Ph.D.	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Physics	2019	

Google Scholar :-

<https://scholar.google.com/citations?user=ORWQ70UAAAAJ&hl=en>

Citations 119

h-index 6

i10-index 5

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**Experience: Teaching : 3 year on B.Sc.**

**Research : 8 year**

**Ph.D.Thesis Title : Investigation on Structural and Electrical Properties of some Perovskite Structured Compounds**

**Ph.D.Supervisor : Dr. A. A. Pandit**

**Area of Research : Material Science (Perovskite, Ferroelectric, Multiferroic, Ferrite)**

**Ph.D/M.Phil Guidance : Nil**

**Paper Published : 13 (International)**

**Paper Presented : International 2 National 1**

**Conference/Workshop Attended : International 4 National 5**

**Position Held :-- Assistant Professor**

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### RESEARCH PROFILE

#### 1. Research Papers published in journals:

Sr. No	Title	Name of Authors as mentioned in paper	Journal, Vol. No., Page No. Year	Impact Factor if any	ISSN/ ISBN No	National/ International
1	“Multiferroic Fe <sup>3+</sup> ion doped BaTiO <sub>3</sub> Pervoskite Nanoceramics: Structural, Optical, Electrical and Dielectric Investigations”	<b>Dhananjay N. Bhojar</b> , sandeep B. Somvanshi, P. B. Nalle, V. K. Mande, A. A. Pandit, K. M. Jadhav,	Journal of Physics: Conference Series, 1644 (2020) 012058 IOP Publication	-	1742-6596	International
2	“Characterisation Techniques for Monuments: An Overview”	Pallavi B. Nalle, Sangita Shinde, <b>D. N. Bhojar</b> , V. B. Huse,	OUR HERITAGE, Vol-68, Special Issue-11 Impact Factor (2020)- 6.8	<b>6.8</b>	0474 - 9030	International
3	“Structural , infrared, magnetic and ferroelectric properties of Sr <sub>0.5</sub> Ba <sub>0.5</sub> Ti <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> nanoceramics: Modification via trivalent Fe ion doping”	<b>Dhananjay Natthuji Bhojar</b> , Sandeep B. Somvanshi,, Prashant B. Kharat, A. A. Painsit, K. M. Jadhav,	Physica B: Physics of Condensed Matter, vol. 581, 15 march 2020, 411944	1.902	0921 - 4526	International
4	“Doping Effect of Fe Ions on the Structural, Electrical, and Magnetic Properties of SrTiO <sub>3</sub> Nanoceramic Matrix”	<b>D.N. Bhojar</b> , J.S. Kounsalye, .P.P. Khirade, A.A. Pandit, K.M. Jadhav	Journal of Superconductivity and Novel Magnetism, 1-12 (2018)	1.506	1557-1947	International
5	“Investigation of Structural, Electrical and Magnetic Behavior of SrTiO <sub>3</sub> Influence of Fe Ions”	<b>Dhananjay Natthuji Bhojar</b> , MahendraShisode, Prashant B. Kharat, K. M. Jadhav,	Journal of Chemical, Biological and Physical Sciences (2018)	1.763	2249 - 1929	International
6	“Effect of Zn <sup>2+</sup> -Cr <sup>3+</sup> substitution on structural, morphological, magnetic and electrical properties of NiFe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles”	V.K. Mande, <b>D.N. Bhojar</b> , S.K. Vyawahare, K.M. Jadhav,	Journal of Materials Science: Materials in Electronics 29 (17), 15259-15270 (2018)	2.171	1573 - 482 X	International
7	“Radiation-induced modifications in structural, electrical and dielectric properties of Ti <sup>4+</sup> ions substituted Li <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub> nanoparticles”	J.S. Kounsalye, P.B. Kharat, <b>D.N. Bhojar</b> , K.M. Jadhav,	Journal of Materials Science: Materials in Electronics 29 (10), 8601-8609 (2018)	2.171	1573-482X	International
8	“Structural, Microstructural, Magnetic, and Ferroelectric Properties of Ba <sup>2+</sup> -Doped BiFeO <sub>3</sub> Nanocrystalline Multiferroic Material”	M.V. Shisode, <b>D.N. Bhojar</b> , P.P. Khirade, K.M. Jadhav,	Journal of Superconductivity and Novel Magnetism, 1-9 (2017)	1.506	1557 - 1947	International

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9	“Structural and multiferroic properties of Ba <sup>2+</sup> doped BiFeO <sub>3</sub> nanoparticles synthesized via sol-gel method”	M.V. Shisode, P.B. Kharat, <b>D.N. Bhojar</b> , V. Vinayak, M.K. Babrekar, K.M. Jadhav,	AIP Conference Proceedings 1953 (1), 030276 (2018)	0.40	0094243 X, 1551761 6	International
10	“Effect of RE (Nd <sup>3+</sup> , Sm <sup>3+</sup> ) oxide on structural, optical properties of Na <sub>2</sub> OLi <sub>2</sub> O-ZnO-B <sub>2</sub> O <sub>3</sub> glass system”	M.M. Hivrekar, <b>D.N. Bhojar</b> , V.K. Mande, V.V. Dhole, M.B. Solunke, K.M. Jadhav,	AIP Conference Proceedings 1953 (1), 090074 (2018)	0.40	0094243 X, 1551 7616	International
11	“Synthesis and characterization of water based NiFe <sub>2</sub> O <sub>4</sub> ferrofluid”	P.B. Kharat, M.V. Shisode, S.D. Birajdar, <b>D.N. Bhojar</b> , K.M. Jadhav,	AIP Conference Proceedings 1832 (1), 050122 (2017)	0.40	0094243 X, 1551761 6	International
12	“Structural and Dielectrical Properties of Pure And Strontium Doped Barium Titanate Nanoparticles By Sol-Gel Auto Combustion Method” P.M.	Kshirsagar, P.P. Khirade, <b>D.N. Bhojar</b> , S.J. Shukla, K.M. Jadhav,	International Journal of Innovative Science, Engineering & Technology 4 (2) (2017)	5.45	2348 - 7968	International
13	“Tartaric Acid a Novel Fuel Approach: Synthesis and Characterization of CoFe <sub>2</sub> O <sub>4</sub> Nano Particles”	G. Kale, A.V. Humbe, P.B. Kharat, <b>D.N. Bhojar</b> , K.M. Jadhav,	BIONANO FRONTIER 8 (3), 146-148 (2015)	-	2320 - 9593	International

### 2. Full Papers in Conference proceedings:

Sr. No.	Name of Conference	Level	Title of Paper	Name of Authors as mentioned in paper	Place & Date	ISSN/ ISBN No.
1	International Web Conference on Advanced Materials Science & Nanotechnology (NANOMAT-2020)	International	“Multiferroic Fe <sup>3+</sup> ion doped BaTiO <sub>3</sub> Pervoskite Nanoceramics: Structural, Optical, Electrical and Dielectric Investigations”	<b>Dhananjay N. Bhojar</b> , sandeep B. Somvanshi, P. B. Nalle, V. K. Mande, A. A. Pandit, K. M. Jadhav	Department of Physics, Vinayk Vidnyan Mahaidylaya, Nandgaon Khandeshwar, Dist. Amravati(MS), India 20 <sup>th</sup> -21 <sup>th</sup> June 2020	Journal of Physics: Conference Series, 1644 (2020) 012058 IOP Publication 1742-6596
2	“International Conference on Advances in Functional Materials (ICAFM-2018)”	International	“Investigation of Structural, Electrical and Magnetic Behavior of SrTiO <sub>3</sub> Influence of Fe Ions”	<b>Dhananjay Natthuji Bhojar</b> , Mahendra Shisode, Prashant B. Kharat, K. M. Jadhav,	KTHM college Nashik in association with Savitribai Phule Pune University, Pune, India 12 <sup>th</sup> & 13 <sup>th</sup> January 2018	Journal of Chemical, Biological and Physical Sciences (2018) 2249-1929

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3	2nd International Conference on Condensed Matter & Applied Physics (ICC 2017)	International	“Structural and multiferroic properties of Ba <sup>2+</sup> doped BiFeO <sub>3</sub> nanoparticles synthesized via sol-gel method”	M.V. Shisode, P.B. Kharat, <b>D.N. Bhojar</b> , V. Vinayak, M.K. Babrekar, K.M. Jadhav,	Govt. Engineering College, Bikaner, Rajasthan, November 24-25, 2017	AIP Conference Proceedings 1953 (1), 030276 (2018)
4	2nd International Conference on Condensed Matter & Applied Physics (ICC 2017)	International	“Effect of RE (Nd <sup>3+</sup> , Sm <sup>3+</sup> ) oxide on structural, optical properties of Na <sub>2</sub> O-Li <sub>2</sub> O-ZnO-B <sub>2</sub> O <sub>3</sub> glass system”	M.M. Hivrekar, <b>D.N. Bhojar</b> , V.K. Mande, V.V. Dhole, M.B. Solunke, K.M. Jadhav,	Govt. Engineering College, Bikaner, Rajasthan, November 24-25, 2017	AIP Conference Proceedings 1953 (1), 090074 (2018)
5	2nd International Conference on Condensed Matter & Applied Physics (ICC 2017)	International	“Synthesis and characterization of water based NiFe <sub>2</sub> O <sub>4</sub> ferrofluid	P.B. Kharat, M.V. Shisode, S.D. Birajdar, <b>D.N. Bhojar</b> , K.M. Jadhav,	Govt. Engineering College, Bikaner, Rajasthan, November 24-25, 2017	AIP Conference Proceedings 1832 (1), 050122 (2017)
6	“International Conference on Functional Materials and Microwaves (ICFMM-2015)”	International	“Tartaric Acid a Novel Fuel Approach: Synthesis and Characterization of CoFe <sub>2</sub> O <sub>4</sub> Nano Particles”	G. Kale, A.V. Humbe, P.B. Kharat, <b>D.N. Bhojar</b> , K.M. Jadhav,	Department of Physics, Dr. B.A.M. university Aurangabad	BIONANO FRONTIER 8 (3), 146-148 (2015)

### 3. Papers presented in Conferences / Seminar / Symposia /Workshop:

Sr. No.	Title of Paper	Title of Event	Level	Date	Organizer
1	“Multiferroic Fe <sup>3+</sup> ion doped BaTiO <sub>3</sub> Perovskite Nanoceramics: Structural, Optical, Electrical and Dielectric Investigations” <b>Dhananjay N. Bhojar</b> , sandeep B. Somvanshi, P. B. Nalle, V. K. Mande, A. A. Pandit, K. M. Jadhav,	International Web Conference on Advanced Materials Science & Nanotechnology (NANOMAT-2020)	International	20 <sup>th</sup> -21 <sup>th</sup> June 2020	Department of Physics, Vinayk Vidnyan Mahaidylaya, Nandgaon Khandeshwar, Dist. Amravati(MS), India
2	“Investigation of Structural, Electrical and Magnetic Behavior of SrTiO <sub>3</sub> Influence of Fe Ions” <b>Dhananjay Natthuji Bhojar</b> , Mahendra Shisode, Prashant B. Kharat, K. M. Jadhav,	“International Conference on Advances in Functional Materials (ICAFM-2018)”	International	12 <sup>th</sup> & 13 <sup>th</sup> January 2018	KTHM college Nashik in association with Savitribai Phule Pune University, Pune, India.

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3		“National conference on Recent Trends and Development in Material Science-2017” (NCRTDMS-2017)	National	16th Dec. 2017.	Indraraj Arts, Commerce and Science College, Sillod. Dist. Aurangabad.
4	Effect of chelating agent L- Ascorbic acid on structural and dielectrical properties of SrTiO <sub>3</sub> nanoparticales synthesized by sol-gel auto combustion method <b>Dhananjay N. Bhojar</b> , M.V Shisode, Atual Keche, L.B. Jadhavar, S.V. Rajmane, K. M. Jadhav,	“104th Indian Science Congress 2017”	National	January 3th to 7th2017.	S.V. University, Tirupati
5	“Tartaric Acid a Novel Fuel Approach: Synthesis and Characterization of CoFe <sub>2</sub> O <sub>4</sub> Nano Particles” G. Kale, A.V. Humbe, P.B. Kharat, <b>D.N. Bhojar</b> , K.M Jadhav,	“International Conference on Functional Materials and Microwaves (ICFMM-2015)”	International	28-30 Dec. 2015	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

### 4. Conferences / Seminar / Symposia / Workshop Attended:

Sr. No.	Theme	Level	Date	Organizer
1	Online Workshop on “ Learning Management System (LMS) Based on Moodle : To Enhance Student Learning Activity”	National	21 <sup>th</sup> May 2020	Jawahar Arts, Science & Commerce College Anadur, Tal. Tuljapur, Dist. Osmanabad
2	International Web Conference on Science, Engineering & Technology IWCSET- 2020	International	15 <sup>th</sup> & 16 <sup>th</sup> May 2020	Society for technologically Advanced Material of India (STAMI)
3	International Web Conference on Advanced Materials Science & Nanotechnology (NANOMAT-2020)	International	20 <sup>th</sup> -21 <sup>th</sup> June 2020	Department of Physics, Vinayk Vidnyan Mahaidylaya, Nandgaon Khandeshwar, Dist. Amravati(MS), India
4	“National Level Seminar: Recent Advances in Physical Science”	National	14 <sup>th</sup> Feb 2018	S.B.E.S. College of Science, Aurangabad. Sponsored by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
5	“International Conference on Advances in Functional Materials (ICAFM-2018)”	International	12 <sup>th</sup> & 13 <sup>th</sup> January 2018	KTHM college Nashik in association with Savitribai Phule Pune University, Pune, India.
6	“National conference on Recent Trends and Development in Material	National	16th Dec. 2017.	Indraraj Arts, Commerce and Science College, Sillod. Dist. Aurangabad.

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	Science-2017” (NCRTDMS-2017) held			
7	UGC-SAP National Seminar on “Materials Science, X-ray and Gamma Ray Spectroscopies”.	National	29th and 30th March, 2017	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
8	“National conference on Innovation in Nanomaterials and Nanotechnology - 2017”	National	21st January 2017	Rajasri Shahu Arts, Commerce and Science College, Pathri, Tq. Phulambri, Dist: Aurangabad.
9	“104th Indian Science Congress 2017”	National	January 3th to 7th 2017.	S.V. University, Tirupati
10	seminar on “Nanobasics and its Applications.	State level	18th and 19th January 2016	Department of physics, R. B. Narayanrao Borawake College, Shrirampur, Dist: Ahmednagar (M.S.)
11	“International Conference on Functional Materials and Microwaves (ICFMM-2015)”	International	28-30 Dec. 2015	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
12	One day author workshop on “Scientific writing & Publishing Scholarly Articles”.	University	04 November 2015	KRC (university Library) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad & Springer Journal

### 5. Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes (not less than one week duration)

Sr. No.	Programme	Duration	Organized By
1	Faculty Induction Programme (Guru-Dakshata)	02/08/2021 to 31/08/2021	UGC- Human Resource Development Centre, Savitribai Phule Pune University

### 6. Events Organized:

Sr. No.	Events	Level	Funded By	Date	Position
1	University District Level Model Making Competition	University	College	30/09/2022	Member
2	Induction Program for Newly Admitted Students	College	College	23-29/08/2022	Member & Technical Support
3	Add-on Course मोदीलिपी प्रशिक्षण कार्यशाळा	-	College	04-05/05/2022	Member & Technical Support
4	Online One Week Certificate Course on Nanotechnology	-	College	11/05/2022 to 18/05/2022	Coordinator
5	District Level Model Making Competition	District	College	07/05/ 2022	Member
6	“ सेवा गौरव व बक्षीस समारंभ “	College	College	24/03/2022	Member & Technical



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					Support
7	C. V. RAMAN Lecture Series	-	College	22 to 27/02/2022	Member
8	State Level Quiz Competition on Basic Sciences (for UG Students) on NSD	State	College	26/02/2022	Member
9	Awareness Program on Energy Audit and Its Importance.	-	College	14/01/2022	Joint Organizing Secretary
10	Awareness Program IPR and Patenting System.	-	College	13/01/2022	Technical support
11	लेखक आपल्या भेटिला' उपक्रमा अंतर्गत आयोजित कार्यक्रम 'अउत्या' समकालीन कृषी व्यवस्थेचे चित्रण –एक संवाद	College	College	30/12/2021	Technical support
12	“स्पर्धा परीक्षा मार्गदर्शन “	College	College	30/12/2021	Technical support
13	“रक्तदान शिबिर”	<b>College</b>	College	<b>29/12/2021</b>	Technical support
14	“जिल्हास्तरीय वक्तृत्व स्पर्धा “	<b>Dist.</b>	College	<b>27/12/2021</b>	Technical support
15	National Level Workshop on “NAAC REVISED SSR FILLING PROCESS	National	college	12/12/2021	Member & Technical support
16	“सविधान दिन” ( Constitution Day)”		college	<b>26/11/2021</b>	Technical support
17	Online One Week Certificate Course On Renewable Energy	State	College	15- 21/10/2021	Member & Technical support
18	Induction Program for Newly Admitted Students	College	College	25 to 30 October 2021	Member & Technical Support
19	One Day National E-conference On Relevance of Socio-Religious Reforms Movement in Present Context	National	College	22/09/2021	Technical Support
20	20 Days workshop communication Skills in English	College	College	13 Sept. to 02 Oct. 2021	Technical Support
21	Guest Lecture for UG, PG & Research Student on “Research Methodology”	-	College	08/09/2021	Technical support
22	Performance Based Appraisal system	-	College	20/08/2021	Technical support
23	National Workshop on Use of Virtual Laboratory in Teaching & Learning	National	College	09 – 10/08/2021	Member & Technical support
24	National Workshop on Electronics Devices and Components	National	College	<b>06/08/2021</b>	Member & Technical support
25	National Workshop “ Indian Woman Empowerment and Laws”	National	-	22 / 07 /2021	Technical support

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26	प्रभोदन पर राज्यस्तरीय कार्यशाळा [संत साहित्य समग्र परिवर्तनाचा विचार]	State	-	15/07/2021	Member & Technical support
27	Guest Lecture on Occasion of World Population Day		-	11 / 07 / 2021	Member & Technical support
28	National workshop on Intellectual Property Rights	National	-	10 / 07 / 2021	Member & Technical support
29	Physics Association Fun with Optics	-	College	01/03/2021	Member & Technical support
30	A college level quiz competition on basic sciences for undergraduate science students on the occasion of National Science Day 2021.	College	College	28/02/2021	Member
31	C. V. Raman Lecture Series on Concepts of Modern Physics On the Occasion of National Science Day		College	22-27/02/2021	Co-ordinator
32	State Level General Knowledge Competition For U.G. & P. G. Students	State	College	26/02/2021	Member & Technical support
33	DEEKSHARAMBH Induction Programme	College	College	26-01/12/2020	Coordinator
34	National Webinar on Carrier Opportunities in Physical & Mathematical Sciences	National	College	29/07/2020	Coordinator
35	State level poster competition on Energy Awareness & Environment Conservation	State	College	12 /03/ 2020	Member
36	Intercollegiate Level Ball Badminton Tournament	University	-	27-28/11/2019	Member

### 7. Other Memberships:

#### 1. Life Member of Indian Science Congress Association