

## BIO - DATA

1. Name : **Dr. ANILKUMAR BALAJIRAO MUGUTKAR**
2. Residential Address : **Bank colony, Basmathnagar  
Tq. Basmathnagar Dist. Hingoli (MS) - 431512**
3. Official Address : **Bahirji Smarak Mahavidyalaya, Basmathnagar,  
Dist. Hingoli (MS)**
4. Designation : **Assistant Professor**
5. Date of Birth : **07/09/1966**
6. Area of Specialization : **Physics**
7. Date of Appointment : **01/09/1993**
8. Teaching Experience : **29 years for UG**
9. Education Qualification : **M.Sc., M.Phil.**

### • EDUCATIONAL DETAILS:

Sr.	Degree	Board/University	Year	Division
1.	SSC	Higher Secondary Board of Aurangabad	1981	Distinction
2.	HSC	Higher Secondary Board of Aurangabad	1984	II
3.	B.Sc.	Marathwada University, Aurangabad	1987	I
4.	M.Sc.	Marathwada University, Aurangabad	1989	II
5.	M. Phil.	Periyar University, Salem	2009	I
6.	Ph.D.	S.R.T.M. University, Nanded	2020	

**10. In-charge Principal: 1<sup>st</sup> February to 17<sup>th</sup> March 2020**

**11. Classes taught : B.Sc. I, II and III Year**

**12. Participate in Orientation/ Refresher Courses:**

Course / Programme	ASC, University	Date
Refresher Course	Dr. B. A. M. University Aurangabad	03/08/2000 to 30/08/2000
Refresher Course	S. R. T. M. University Nanded	01/10/2001 to 28/10/2001
Orientation Programme	Dr. B. A. M. University Aurangabad	01/02/2010 to 27/02/2010
Short Term Course	S.G.B.A. University, Amravati	21/11/2016 to 26/11/2016
Refresher Course	MANU University, Hyderabad	11/12/2018 to 31/12/2018
Short Term Course	Saurashtra University, Rajkot	17/08/2020 to 22/08/2020
Short Term Course	Devi Ahilya Vishwavidyalaya, Indore	18/01/2021 to 23/01/2021

### 13. Research Papers in Peer-Reviewed or UGC listed Journals:

Sr.	Title of paper	Journal Name, Page nos., Vol. no., Issue no., Year of publication	ISSN / ISBN NO.	Impact Factor if any	Whether Principal Author Supervisor/ Co-supervisor
1	Opportunities and Challenges in Pem Fuel Cells, P. No	Indian Streams Research Journal	Peer Revived	0.2105	
2	Optically Tuned Nanomaterials: A Review, P. No.	Golden Research Thoughts	Peer Revived	1.2018	
3	Structural Refinement of Za Substituted Nickel Ferrite	Bionano Frontier	2320-9593 (Online)	4.856	
4	Sol-gel Synthesis and Dielectric Properties of Samarium Doped Cobalt Zinc Ferrite, P.No. 80-81	Printing Area	2394-5303	5.011 (IIJIF)	Principal Author (No. of Co-Authors - 4)
5	The role of La <sup>3+</sup> substitution in modification of the magnetic and dielectric properties of the nanocrystalline Co-Zn ferrites	Journal of Magnetism and Magnetic Materials 502 (2020) 166490, Online on dated 22 Jan. 2020	0304-8853	Online Citation	Principal Author (No. of Co-Authors - 9)
6	Ammonia gas sensing and magnetic permeability of enhanced surface area and high porosity lanthanum substituted Co-Zn nano ferrites, PP.15043-15055	Ceramics International, 48 (2022) 15043-15055, 9 <sup>th</sup> Feb. 2022	0272-8842	4.527	Principal Author (No. of Co-Authors - 6)
7	Role of composition and grain size in controlling the structure Sensitive magnetic propertied of Sm <sup>3+</sup> substituted nanocrystalline Co-Zn ferrites	Journal of Rare Earths			Principal Author (No. of Co-Authors - 7)
8	Structural modification in Co-Zn nanoferrites by Gd substitution triggering to dielectric and gas sensing applications	Journal of Alloys and Compounds 844 (2020) 156178	0925-8388	Online Citation	Principal Author (No. of Co-Authors - 9)

9	Magneto-structural behavior of Gd doped nanocrystalline Co-Zn ferrites governed by domain wall movement and spin rotations	Ceramics International, (255) (doi.org/10.1016) 22 <sup>nd</sup> August, 2018	0272-8842	3.54	Principal Author (No. of Co-Authors -5)
---	--	---	-----------	------	---

#### 14. Citation Indices (Citation from an online database):

	All	Since
Citation	130	2018-2022
h-index	5	2018-2022
i10-index	4	2018-2022

#### 15. (i) Publications (other than Research papers) / (ii) Chapter in Edited Book with ISSN / ISBN/ (iii) Editor of Book with ISSN / ISBN number

Sr.	Title of Chapter with Page Nos.	Name of Book	Publisher Name & ISSN /ISBN NO.	Whether Principal Author Supervisor/ Co-supervisor
1.	Rare Earth Substituted Co-Zn Ferrites For Novel Applications, PP.167	Thin Film Technology and it's Novelties in Material Science	Bhumi Publishing, Kolhapur, ISBN: 978-93-91768-93-5	Principal Author

#### 16. Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference Proceedings

Sr. No.	Title of Presentation in Academic Session	Title of Conference / Seminar/ Workshop	Mode of Presentation: Invited lectures / Resource Person / Paper presentation	Name of Organizer	Whether International/ National/ State/ Uni. Level
1	Ways to sustain the free pollution free Environment	Environmental Pollution & Sollution-2022	Paper presentation	ACS College, Jintur	National Level
2	Structural Refinement of Zn Substituted Nickel Ferrite	ETCST 2017	Paper presentation	Bionano Frontier	International Level
3	Analysis of Structural Properties of naonocrystalline NiZnCe ferrites	Recent Advances in Chemical Physical Sciences	Conference Proceedings	Bahirji Smarak Maha. Basmat	Online National Conference

**17. Completed Projects / Consultancies:**

Sr.	Title	Agency	Period	Grant / Amount Mobilized (Rs. Lakh)
1.	Structural, Magnetic and Dielectric Properties of Nano-Crystalline Ferrites [F.No.-47-766/13 (WRO)]	UGC, New Delhi	May 2014-15 to 2016-17	1,50,000/-
2.	Minor Research Project Awarded entitled 'Structural, Magnetic and Dielectric Properties of Nano-Crystalline Ferrites' [F.No.-47-766/13 (WRO)]	UGC, New Delhi	7 <sup>th</sup> January 2020	27,390/-

**18. Awards/ Fellowship:**

Sr. No.	Name of Award / Fellowship	Date of Received	International / National	Name of Awardees Academic Body / Association
1	Research Excellence Award 2020	2020-21	International	Institute of Scholars
2	Bharatjyoti Pratibha Sanman Excellence Award	25 <sup>th</sup> Dec, 2020	State	Manushyabal Vikas Lokseva Academy
3	Rajyastariya Shaikshnik Karya Gaurav	2019-20	State	Dnyanodaya Bahuuddeshiya Sanstha

**Conference/ Seminar/ Workshop/ Symposia Attended****19. CONFERENCES:**

International Conference attended: **00**  
National Conference attended: **03**

**20. WORKSHOPS:**

Work Shops attended: **09**

**21. SEMINARS:**

National Seminar attended: **01**  
State Level Seminar attended: **01**

**22. PARTICIPATION IN COLLEGE ADMINISTRATION:**

Sr.	Work as	Duration
1	Member of Annual Gathering Committee	2014-2015
2	Member of Grievances committee	2014-2015
3	Member of Local Management Committee	2013-2015

**23. ASSOCIATION WITH UNIVERSITY WORK:**

<b>Sr.</b>	<b>Work as</b>	<b>Duration</b>
1	Member of Paper Setting of B.Sc. II Year (S.R.T.M.U., Nanded)	2014
2	Practical Examination (External) B.Sc. III Year (S.R.T.M.U.)	2014-2022
3	Paper Assessment of B.Sc. III Year	2015-2022
4	Practical Examination (External) B.Sc. I Year	2010-2022
5	Practical Examination (External) B.Sc. II Year	2010-2022

**Dr. A. B. Mugutkar**  
**Department of Physics**  
**Bahirji Smarak Mahavidyalaya, Basmath**