

## **Curriculum Vitae**



**Name** : Dr. Bhosale Rameshwar Rangnath  
(Assistant Professor, Dept. of Physics, Balbhim College, Beed)

**Sex** : Male

**Nationality** : Indian

**Languages Known** : Marathi, Hindi and English

**Corresponding Address** : Dr. Bhosale Rameshwar Rangnath  
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**Mobile No.** : 8888639309

**Date of Birth** : 12<sup>th</sup> Jan 1990

**Date of Joining** : 04<sup>th</sup> Jan 2020

**Designation** : Assistant Professor

**Subject** : Physics

**:: Educational Qualification**

Name of Exam	Board/University	Passing Mon-Year	Stream/Subject	Obtained/ Total Marks	% or Grade Point
Ph.D. in Physics	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431004	December 2017	Physics	-	-
M.Sc. in Physics	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431004	April 2013	Physics	-	68.00
B.Sc.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431004	April-2011	Physics, Chemistry, Comp. Science	-	67.55
H.S.C.	Higher & Secondary Education Board, Aurangabad	Feb-2008	Physics, Chemistry, Maths, Bio	-	54.83
S.S.C.	Higher & Secondary Education Board, Aurangabad	Mar-2006	Science, Maths, Soc. Sci	-	62.40

**Teaching Experience**

- 1) Two years' work experience as Assistant professor (C.H.B) in **Dept. of physics, Arts, Commerce and Science College Majalgaon.** (2013-2014, 2014-2015).
- 2) Worked as Assistant professor (C.H.B), **Dept. of physics, Deogiri College**

**Aurangabad.** (2016-2017, 2017-2018, 2018-2019, 2019-2020).

3) Working as Assistant Professor in Physics M.S.P. Mandal's Balbhim College, Beed

### **Invited Lectures & awards:**

1. Invited as a speaker in AAAFM-UCLA-2023, held at University of California, Los Angeles- 10<sup>th</sup> August to 12<sup>th</sup> August 2023.
2. Awarded CSIR- Partial Travel Grant in 2023.
3. Invited as a speaker for SIPS-2023, Hyatt's Dreams Playa Bonita, Panama- 27<sup>th</sup> Nov- 01<sup>st</sup> Dec 2023.
4. Invited as a speaker for the 8<sup>th</sup> International Conference on New Energy and Future Energy Systems (NEFES-2023), Matsue, Japan, 21<sup>st</sup> Nov -24<sup>th</sup> Nov 2023.
5. Awarded Ph.D. Rsearch Scholar Fellowship for Ph.D. by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad- 27-11-2016.
6. Selected as **SRFP-2024** by **Indian Academy of Sciences, New Delhi** at Saha Institute of Nuclear Physics.

### **Lectures Delivered-**

1. Delivered a guest at Concepts of Mathematical Physics at Swami Vivekananda Senior College, Mantha-18-01-2020.
2. Delivered a guest at one day national seminar organized by the Department of Physics YCC Ambejogai, on Renewable Energy Sources-05-08-2022.

### **Research Papers-**

Sr. No.	Title of the Paper	Name of the Journal / Proceeding	ISSN/ISBN No.	Publication Year
1.	The Comparative Study: Chemistry of Renewable Energy Resources and their Environmental Effect for Sustainable Energy Production	International Journal of Scientific Research in Chemistry	Online ISSN: 2456-8457	2024
2.	Nanostructured Organic Polyaniline Thin Film Prepared By Polymerisation Technique	International Journal of Scientific Research in Science and Technology	ISSN: 2395-6011	2024
3.	Mass Attenuation Coefficient and Molar	International Journal of Scientific Research	ISSN: 2395-6011	2024

	Extinction Coefficient of 2-Amino-3-Nitropyridine in the Energy Range 356 KeV to 1330 KeV	in Science and Technology		
4.	Metal-Oxide Nano Structures and Their Photo Electrochemical Applications - A Review	International Journal of Scientific Research in Science and Technology	Print ISSN: 2395-6011   Online ISSN: 2395-602X	2022
5.	Mass attenuation coefficient and atomic cross section of $^{22}\text{Na}$ in the energy range 122-1330 keV	Innovare Journal of science	ISSN 2321-5496	2020
6.	Studies On Half Value Layer (HVL), Tenth Value Layer (TVL) And Mean Free Path (MFP) Of $\text{TiO}_2$ And $\text{CaO}$ In The Energy Range 0.1 meV To 1.5 meV	Our Heritage (UGC Care Listed)	ISSN:0474-9030	2020
7.	Effect of gamma-radiation on poly isobutylene	Innovare Journal of science	ISSN 2321-5496	2020
8.	Analysis of half value layer (HVL), tenth value layer (TVL), & mean free path (MFP), of some oxides in the energy range of 122 keV to 1330 keV,	Indian. J. Sci. Res	ISSN 2250-0138	2019
9.	Comparative study of gamma ray shielding competence of $\text{WO}_3$ - $\text{TeO}_2$ - $\text{PbO}$ glass system to different glasses and concretes	Materials Chemistry and physics,	ISSN: 0254-0584	2018
10	Studies on mass attenuation coefficient, molar extinction coefficient and effective atomic number of some oxides in the energy range of 122-1330 keV	Indian .J. Sci. Res.	ISSN-2250-0138	2018

11	Effects of gamma radiation on the properties of polymethyl acrylate	International journal of Advance and innovative Research	ISSN-2394-7780	2019
12	Radiation shielding and gamma-ray attenuation properties of some polymers	Nuclear Technology & Radiation Protection	ISSN 1452-8185	2017
13	Gamma ray interaction properties of poly benzyl methacrylate	Nuclear Chemistry & Nuclear Probes	International Nuclear Information System	2017
14	Detection of new polymer materials as gamma-ray shielding materials	Radiation Effects and Defects in Solids	ISSN 1029-4953	2017
15	Gamma ray shielding properties of natural mineral celadonite	Nuclear Chemistry & Nuclear Probes	International Nuclear Information System	2017
16	Effects of gamma irradiation on some chemicals using an NaI (Tl) detector	Radiation Effects and Defects in Solids,	ISSN 1029-4953	2016
17	Interaction studies and gamma-ray properties of some low-z materials,	Nuclear Technology & Radiation Protection	ISSN 1452-8185	2016
18	Effective atomic numbers for some low-Z materials	Bionano Frontier	ISSN 0974-0678	2015
19	Study on the gamma ray attenuation cross-sections, effective atomic numbers of Mesolite and Gryolite	Bionano Frontier	ISSN 0974-0678	2015
20	Photon mass energy-absorption coefficients for amino acids,	Bionano Frontier	ISSN 0974-0678	2015
21	Using gamma ray spectrometry biomedical radiological data of lipids,	Bionano Frontier	ISSN 0974-0678	2015
22	Comparative study of effective atomic numbers and electron density for Nano-materials in wide energy range ( $10^{-3}$ - $10^5$ MeV)	Bionano Frontier	ISSN 0974-0678	2015
23	Gamma ray interaction studies on mass	Bionano Frontier	ISSN 0974-0678	2015

	attenuation coefficient and molar extinction coefficient of 5-nitouracil and in the energy range 356-1330 keV			
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### **List of Seminars/Conferences attended**

<b>Sr No.</b>	<b>Title of the Seminar/Conference/Workshops</b>	<b>Place of conference</b>	<b>Date of the Conference</b>	<b>Level</b>
1.	Recent Trends in Material Science & Nanotechnology	Deogiri College, Aurangabad	27 <sup>th</sup> , 28 <sup>th</sup> Feb 2023	National
2.	National Conference on Recent Advances in Physical Sciences	Balbhim College Beed	8 <sup>th</sup> Feb 2020	National
3.	Functional Materials Synthesis & Characterization Techniques	Vaidyanath College, parali	2 <sup>nd</sup> March 2019	National
4.	National Conference on Nanostructured Materials & Nanotechnology	Muktanand College, Gangapur	1 <sup>st</sup> Dec 2018	National
5.	Workshop on e-content development in perspective of teaching	Deogiri College, Aurangabad	22-23 <sup>rd</sup> Dec 2018	National
6.	National level Seminar on Recent Advances in Physical Sciences	S. B. E. S College of Science, Aurangabad	14 <sup>th</sup> Feb 2018	National
7.	National seminar on Material Science, X-ray & Gamma-ray Spectroscopies	Dept. of Physics, Dr. BAMU Aurangabad	29-30 <sup>th</sup> March 2017	National
8.	DAE_NUCAR-2017	KIIT University, Bhubaneshwar, Orrisa	7-11 <sup>th</sup> Feb 2017	International
9.	National Conference on Recent Trends & Developments in Material Science	Indraraj Arts, Commerce & Science College Sillod	16 <sup>th</sup> Dec. 2017	National

10.	Workshop on IPR	RUSA Dr. BAMU, Aurangabad	22 <sup>nd</sup> Aug 2016	State
11.	Training Program on Awareness of SCOPUS & Indian Citation Index	KRC, Dr. BAMU, Aurangabad	22 <sup>nd</sup> Dec 2016	National
12.	One day workshop on LATEX for project Seminars & Thesis Typesetting	KRC, Dr. BAMU, Aurangabad	5 <sup>th</sup> March 2016	State
13.	One day User Awareness Program under UGC-INFONET digital Library Consortium	KRC, Dr. BAMU, Aurangabad	9 <sup>th</sup> Oct. 2015	State
14.	Author Workshop	Springer & KRC, Dr. BAMU, Aurangabad	4 <sup>th</sup> Nov 2015	State
15.	International Conference on Functional materials and microwaves	Dept. of Physics, Dr. BAMU, Aurangabad	28-30 <sup>th</sup> Dec 2015	International

**List of FDP's/Workshops/Training Programs attended-**

Sr. No.	Title of the FDP/Training/Workshops/Refresher/ Orientation	Place of Program	Duration	Date of the Program	Level
1.	Three Days ToT Training Programme 'YOUTH AND HEALTH'	NSS_ETI Ahmednagar	03 Days	23 <sup>rd</sup> -25 <sup>th</sup> March 2023	National
2.	FDP on NAAC Assessment & Accreditation (Under UGC Parmarsh)	Parbhani	1 week	21-26 May 2020	National
3.	FDP on Managing Online Classes & Co-Creating MOOC's	University of Delhi	2 Weeks	20 April-06 May 2020	National
4.	Orientation Program	University of Delhi	4 Weeks	04 June-01 July 2020	National
5.	Refresher Course	Kannur University, Kerala	2 weeks	24 Nov-07 Dec 2020	National

6.	Ph.D. Teaching Program on 'Fundamental lattice Defects in Solids'	IUAC New Delhi	2 Weeks	14 Sept.-03 Oct. 2015	National
7.	Ph.D. Teaching Program on 'Nuclear Models-I'	IUAC New Delhi	2 Weeks	14 Sept.-01 Oct. 2015	National
8.	ToT Training Program on ' YOUTH AND HEALTH'	NSS-ETI, Ahmednagar	3 Days	23-25 March 2023	State
9.	Orientation Program on Research Development	Deogiri College, A.bad	1 Day	01/01/2023	State
10	Workshop on Human Resource Enrichment Programme	Majalgaon College, Majalgaon	1 Day	08/01/2023	State

### **Member of Editorial Board:**

Sr. No.	Name	Name of the Journal	Level
1.	Dr. R. R. Bhosale	Imaging & Radiation Research	International
2.	Dr. R. R. Bhosale	Radiation Science & Technology	International
3.	Dr. R. R. Bhosale	London Journal Press	International
4.	Dr. R. R. Bhosale	Journal of Analytical Chromatography and Spectroscopy	International
5.	Dr. R. R. Bhosale	IJSRT Special issue	International

### **Published Books & Book Chapters**

Sr. No.	Title of the Book/ Chapter	Name of the Publication	ISSN/ISBN No.	Publication Year
1.	Impact of ICT in Teaching, Learning and Evaluation Process	Harshwardhan Publication Pvt.Ltd.	ISBN 978-93 85882-33-3	2021



2.	Gamma radiation effects of low-Z materials	Empery Publishing house	ISBN-978-81-943209-5-1	2019
3.	Proceedings of National Conference on New Horizons in Nano-scale Materials & Their Applications	M.S.P. Mandal's Arts Commerce and Science College Kille-Dharur, Dist. Beed.	ISBN Number: 978-93-340-3434-9	2024
4.	Physics In Sports	Anand Prakashan, Chhatrapati Sambhajinagar	ISBN Number: 978-93-91204-82-2	2025

## **Citations**

<a href="#">Citations</a>	325
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## **Expert for various committees**

1. Subject expert for the C.H.B. Interview in Physics at Baburaoji Adaskar Mahavidyalaya, Kaij-20/07/2023.
2. Subject expert for the C.H.B. Interview in Physics at Yashavantrao Chavan College, Ambejogai- 15/06/2023.
3. Subject expert for the C.H.B. Interview in Physics at Yashavantrao Chavan College, Ambejogai- 06/08/2022.
4. Subject expert for the C.H.B. Interview in Electronics at Yashavantrao Chavan College, Ambejogai- 06/08/2022.
5. Subject expert for teacher's recruitment at Sane Gururji High School, Kaij-12/06/2022.
6. Reviewer of Radiochimica acta ISSN of 2193-3405



[Dr. Bhosale R. R.]