

NICMAR University, Pune

Position: Vice-Chancellor

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Gender: Male
Date of Birth: 15-May-1971



Education Detail

Education Level	Board / University	Institute / School / College	Marks	CGPA	Year
PhD	The University of Sheffield-UK	The University of Sheffield-UK	0.00	0.00	2010
Subjects / Specialization: Materials Science and Engineering					
Post Graduation	Bangalore University	Bangalore University	60.00	0.00	1996
Subjects / Specialization: Physics					
Graduation	Bangalore University	Bangalore University	55.00	0.00	1994
Subjects / Specialization: Physics, Chemistry and Mathematics					
Other	PUNE University	PUNE University	0.00	0.00	2000
Subjects / Specialization: PHYSICS-SLET					

Work Experience (Total: 21Y 3M)

#	Organization	Designation	From	To	Duration
1	Presidency University-Bangalore	Professor & Head of the department of physics	Jun 2017	Present	8Y 11M
2	Bahir Dar University-East Africa-Ethiopia	Professor in physics	Apr 2015	Apr 2017	2Y 0M
3	Cambridge Institute of Technology, Bangalore	Professor in physics	Jun 2012	Mar 2015	2Y 9M
4	Global Academy of Technology, Bangalore	HOD physics and Senior Scale Lecturer	Jan 2001	Dec 2005	4Y 11M
5	R V College of Engineering	Lecturer in Physics	May 2000	Jul 2001	1Y 2M
6	Al Ameen Degree College, Bangalore	Lecturer	Jul 1999	Mar 2000	0Y 8M
7	Hasnath College for Women, Bangalore	Lecturer in Physics	Aug 1996	Mar 1997	0Y 7M

Research Publication

#	Title	Journal	Year
1	NeemLeaves mediated green synthesis of copper ferrite decorated reduced graphene oxide nanocomposite for photoluminescence, gamma/X-ray radiation shielding, antimicrobial and anticancer properties Solid State Sciences 134:107029 December 2022 DOI:10.1016/	Solid State Sciences	Dec-2022
2	Effect of calcination temperature on structural, antibacterial, radiation shielding and magnetic properties of cubic spinel cobalt Nano ferrite Materials Science and Engineering B 286(3):115978 December 2022 DOI:10.1016/j.mseb.2022.115978	Materials Science and Engineering B	Dec-2022
3	Silver nanoparticles improved infrared photoluminescence of Nd3+ doped sodium borate glasses Infrared Physics & Technology Volume 127, December 2022, 104451 https://doi.org/10.1016/j.infrared.2022.104451	Infrared Physics & Technology	Dec-2022
4	Study of antimicrobial applications of Bismuth Oxide Materials Today Proceedings https://doi.org/10.1016/j.matpr.2022.01.441 Available online 11 February 2022	Materials Today Proceedings	Feb-2022
5	Radiation shielding, photoluminescence and antimicrobial properties of Magnesium ferrite synthesized low temperature solution combustion method Progress in Nuclear Energy, Volume 142, December 2021, 103988 https://doi.org/10.1016/j.pnucene.2021.103988	Progress in Nuclear Energy	Dec-2021
6	X-ray / gamma ray radiation shielding properties of a-Bi2O3 synthesized by low temperature solution combustion method Nuclear Engineering and Technology , Available online 28 September 2021 In Press, Corrected Proof https://doi.org/10.1016/j.net.2021.09 .	Nuclear Engineering and Technology	Sep-2021
7	Synthesis and characterization of multifunctional nickel ferrite nano-particles for Xray/gamma radiation shielding, display and antimicrobial applications Journal of Physics and Chemistry of Solids 159 (2021) 110260 Volume 159, December 2021, 110260 http	Journal of Physics and Chemistry of Solids	Dec-2021
8	Effect of heavy metal oxides on photoluminescence and spectroscopic attributes of Eu3+ activated borate glasses Optical Materials Volume 114, April 2021, 110933 https://doi.org/10.1016/j.optmat.2021.110933	Optical Materials	Apr-2021
9	Exploring the Structural, Dielectric and Magnetic Properties of 5 Mol% Bi 3+-Substituted CoCr 2 O 4 Nanoparticles Journal of Superconductivity and Novel Magnetism (2020) Published16 January 2020 https://doi.org/10.1007/s10948-019-05403-2	Journal of Superconductivity and Novel Magnetism	Jan-2020
10	Effect of cerium on structural, microstructural, magnetic and humidity sensing properties of Mn–Bi ferrites Nano-Structures & Nano-Objects Volume 24, October 2020, 100608	Nano-Structures & Nano-Objects	Oct-2020
11	Structural, Electronic and Magnetic properties of Sc3+ doped CoCr2O4 nanoparticles New Journal of Chemistry View Article Online DOI: 10.1039/D0NJ03062G	New Journal of Chemistry	Sep-2020
12	Synthesis, phase transformation, and morphology of hausmannite Mn3O4 nanoparticles: photocatalytic and antibacterial investigations Heliyon Volume 6, Issue 1, January 2020, e03245 https://doi.org/10.1016/j.heliyon.2020.e03245	Heliyon	Jan-2020
13	Structural, electronic, vibrational and magnetic properties of Zn2+ substituted MnCr2O4 nanoparticles Journal of Magnetism and Magnetic Materials Volume 502, Pages 166595, Publisher North-Holland, 2020/5/15 https://doi.org/10.1016/j.jmmm.2020.166595	Journal of Magnetism and Magnetic Materials	Jul-2020
14	Effect of Pr3+-doping on the structural, elastic and magnetic properties of Mn–Zn ferrite nanoparticles prepared by solution combustion synthesis method Chemical Data Collections Volume 24, December 2019, 100273	Chemical Data Collections	Dec-2019
15	X-ray photoelectron spectroscopy and low temperature Mössbauer study of Ce3+ substituted MnFe2O4 Journal of Materials Science: Materials in Electronics, 2019 Volume 30, Issue 11, Pages 10162-10171 https://doi.org/10.1007/s10854-019-01352-7	Journal of Materials Science: Materials in Electronics,	Jul-2019
16	Mechanism of high temperature induced phase transformation and magnetic properties of Mn3O4 crystallites Journal of Magnetism and Magnetic Materials Volume 476, 15 April 2019, Pages 268-273 https://doi.org/10.1016/j.jmmm.2018.12.072	Journal of Magnetism and Magnetic Materials	Apr-2019
17	Reduced A–B super exchange interaction in Sm3+–Gd3+-doped Mn–Zn ferrites due to high energy gamma irradiation Indian Journal of Physics 93(2) · September 2018 DOI: 10.1007/s12648-018-1285-2	Indian Journal of Physics	Sep-2018

18	Structural, FTIR and Ferro electric analysis of Pure TGS and L-Cysteine doped TGS crystals for Infrared device applications Chemical Data Collections Volumes 17-18, December 2018, Pages 276-286 https://doi.org/10.1016/j.cdc.2018.09.007	Chemical Data Collections	Jul-2018
19	Synthesis and study of structural, microstructural and dielectric properties of Ce ³⁺ doped Co-Ni ferrites for automotive applications Citation: AIP Conference Proceedings 1953, 030277 (2018) doi: 10.1063/1.5032612 View online: https://doi.org/10.1063/1.5032612	AIP Conference Proceedings	Jun-2018
20	Use of Raman spectroscopy to determine the site occupancy of dopants in BaTiO ₃ Journal of Applied Physics, Volume 109, Issue 11, pp. 114110-114110-5 (2011) https://doi.org/10.1063/1.3592192	Journal of Applied Physics	Jul-2011
21	Optimisation of synthesis of the solid solution, Pb(Zr _{1-x} Ti _x)O ₃ on a single substrate using a high-throughput modified molecular beam epitaxy technique. Journal of Materials Research. 24, 1 (2009) https://doi.org/10.1557/JMR.2009.0008	Journal of Materials Research.	Nov-2009
22	Formation of (TiTi-V ..) defect dipoles in BaTiO ₃ ceramics heat treated under O reduced oxygen partial-pressure. Functional Materials Letters. 11, 11 (2009). https://doi.org/10.1142/S1793604710000956	Functional Materials Letters	Oct-2009
23	Polar order and diffuse scatter in Ba(Ti _{1-x} Zr _x)O ₃ ceramics. Journal of Applied Physics. 106, 114111 (2009) https://doi.org/10.1063/1.3253735	Journal of Applied Physics	Jul-2009
24	In situ Raman Spectroscopy of A-site doped barium titanate. Applied Physics. Letters. 91, 062908 (2007). https://doi.org/10.1063/1.2768881	Applied Physics. Letters	May-2007
25	Synthesis of the ferroelectric solid solution, Pb (Zr _{1-x} Ti _x)O ₃ on a single substrate using molecular beam epitaxy technique. Applied Physics Letters. 90, 202907 (2007). https://doi.org/10.1063/1.2738191	Applied Physics. Letters	Jul-2007

Published Books / Chapters

#	Book Title	Publisher	Institution
1	Raman Spectroscopy of perovskite Structured Ceramics	Lambert Academic Publishing	Presidency University

Administrative Experience (Total: 13Y 2M)

#	Post	Institution	From	To	Duration
1	Professor & Head of the department of physics	Presidency University, Bangalore	Jun 2017	May 2026	8Y 10M
2	HOD physics and Senior Scale Lecturer	Global Academy of Technology, Bangalore	Sep 2001	Dec 2005	4Y 3M

Major Research

#	Project Title	Value	Agency	From	To	Duration
1	Raman studies of functional materials	1 Cr	EPSRC	Apr 2006	Jul 2010	4Y 3M

International Experience

#	Organization / Body	Experience
1	South Ural State University, Russia	Research Professor
2	University of Canberra, Australia	Postdoc
3	Bahir Dar University, East Africa, Ethiopia	Physics Professor
4	UNISA-University of South Africa	Research Fellow
5	The University of Sheffield-UK	Full time PhD scholar

Leadership Experience

#	Brief Description
1	HOD department of Physics, Presidency University, Bangalore from 2017 to till date, 2026, Under my leadership the department had achieved excellence in teaching, research and out reach activities.

Statutory Authorities

#	Institution	Statutory Forum	From	To
1	Presidency University	BOS Member secretary	Jun 2021	May 2026
2	Presidency University	Member Academic Council	Jun 2021	May 2026

Quality Assurance Experience

#	Area	Institution	From	To	Achievements
1	NAAC-Accreditation	Presidency University	Jun 2017	May 2026	A +

PhD Student Guided

#	Guide No	Co-Guide No
1	4	-
2	4	-