



CURRICULUM VITAE



Dr. Deepmala Singhal

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EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE
1	M.Sc (Physics)
2	M. Phil
3	CSIR-NET (Physical Sciences)
4	Ph.D
5	C.I.C (IGNOU)

TEACHING EXPERIENCE: **U.G. - 20** years **P.G - 3** years

CURRENT STATUS/POSITIONS/RESPONSIBILITIES HELD:

S.No.	CONTRIBUTION IN COLLEGE ACTIVITIES / COMMITTEES/ACADEMIA
1.	Associate Professor & Head, Department of Physics
2.	Member, Board of Management (BOM) (2017-18 and 2018-19)
3.	Member, Academic Council
4.	Co-ordinator of Green Audit
5.	Convenor, Board of Studies (BOS), Physics
6.	Member, Proctorial Board
7.	Incharge of Kalam-The Science Forum
8.	Co-ordinator of Discipline Committee
9.	Member of Anti-Ragging Cell
10.	Incharge- Group Teacher - B.Sc Part III (Mentor-Mentee Program)
11.	Member of Staff Council
12.	Member of Code of conduct
13.	Member of admission Committee
14.	Member of Time Table Committee

RESEARCH EXPERIENCE: 11 years

RESEARCH PUBLICATIONS- 19

RESEARCH PUBLICATIONS

S.No.	Year	Title of the Paper/Chapter/Book	National/ International	Name of the Journal/Book/ Peer Reviewed Journal / Non-
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				Peer Reviewed Journal /E- Journal
1.	2022	To Study hypersensitive Transitions in Neodymium Complexes	International	Strad Research ,UGC Care, Vol 9.issue3
2.	2021	Online and Offline Mode of Learning in India before and after Covid-19- A study	International	Library Progress, Peer Reviewed, Refereed, E- Journal, Vol.41,No.1.
3.	2021	Auditing Mother Earths Resources: A Need or a Necessity in NAAC Accreditation in Higher Educational Institutions in India	International	International Journal of Creative Research Thoughts, Open Access, Peer Reviewed, Refereed, E- Journal, Vol -9 Issue-2
4.	2021	Ambient Air Quality Parameters: A Case Study of Sophia Girls' College, Ajmer(INDIA)	International	IJEFFUS, Vol II, Issue I
5.	2020	Role of Best Practises in Assessment and Accreditation	International	IJMER, Peer Reviewed, Refereed, E- Journal, Vol -9 Issue-12(3), Impact Number 5.16
6.	2019	A comparative study of bonding parameter of Neodymium and Erbium in Alnine and in Thiourea	International	IJRASET, Open Access, Peer Reviewed, E- Journal, Vol7, Issue-1, Impact Number 6.88
7.	2019	A study of Nephelauxetic ratio of rare-earth complexes (Neodymium) in different amino-acids.	International	International journal of Physics and Research, Open Access, Peer Reviewed, E- Journal, Vol. 9, Issue-1
8.	2019	To find root mean square deviation in Neodymium complexes	International	IJREAM, Open Access, Peer Reviewed, E- Journal, Vol5, issue8, Impact Number 5.646
9.	2019	A comparison of Lande's factor in different amino-acids in Neodymium complexes	International	JETIR, Open Access, Peer Reviewed, E- Journal, Vol6, Issue2, UGC Care no. 189924, Impact Number 5.87
10.	2019	Slater-Condon Parameters of ND and Er in Thiourea and Arginine in molar ratio 1:1:2	International	IJRAR, Open Access, Peer Reviewed, Refereed, E- Journal, Vol -6 Issue-1, UGC Care no. 43602, Impact Number 5.75
11.	2019	A study of Coordination Geometry of Neodymium and Praseodymium	International	JETIR, Open Access, Peer Reviewed, E- Journal, Vol 6, Issue 2, UGC Care no. 189924, Impact Number 5.87
12.	2019	A Comparative Study of parameters of Neodymium in Threonine and with urea and thiourea	International	IJRASET, Open Access, Peer Reviewed, E- Journal, Vol 7, issue11, Impact Number 6.87
13.	2019	To study of Nephelauxetic ratio of Praseodymium in m) in different Environments	International	JETIR, Open Access, Peer Reviewed, E- Journal, Vol 6, Issue 6, UGC Care no. 189924, Impact Factor 5.87
14.	2018	A study of Covalency	International	IOSR-JAP, Open Access, Peer

		of Erbium and Neodymium ternary complexes in Alanine and Urea		Reviewed, E- Journal, Vol 10, issue6, UGC Care no. 5010, Impact Number 3.15
15.	2018	Visible Absorption Spectra of Erbium & Neodymium in Arginine as a primary Ligand and Urea as a secondary Ligand	International	JETIR, Open Access, Peer Reviewed, E- Journal, Vol5, Issue 10, Impact Factor 5.87
16.	2018	A Comparative Study of Absorption Spectra of Neodymium in Glycine and Leucine as primary Ligand and Urea as Secondary Ligands in Visible Region	International	International Journal of Research and Analytical Reviews, Open Access, Peer Reviewed, Refereed, E- Journal, Vol -5 Issue-3, UGC Care no. 43602, Impact Number 5.75
17.	2018	Absorption spectra of Neodymium(Rare-earth) in different ternary complexes in visible region and determination of different parameters	International	Remarking an Analisation, Peer reviewed ,International Journal, Vol- 03, Issue05, Impact Number 5.879
18.	2013	Water Pollution of Pushkar Lake-People's Perception	National Seminar-Sensitisation Towards Values Through Literature	Sophia Girls' College, Ajmer, Proceedings
19.	2013	Development of Rural Women Entrepreneurship: A Study of Women Entrepreneurship of Ajmer District	National Seminar-Empowering Women in Changing Scenario	Sophia Girls' College, Ajmer, Proceedings

SEMINARS/ CONFERENCES/ WORKSHOPS – ORGANISED

S.NO.	YEAR	TITLE	NATIONAL/ INTERNATIONAL
1.	2021	Exploring the Properties of Materials at Nano-scale	International Webinar
2	2019	Instrumentation Techniques for Research in Chemical Sciences	National Workshop (Organizing Member)
3	2018	Advances in Science and Technology – an Interdisciplinary Approach	National Conference (Co-ordinator)

SEMINARS/ CONFERENCES/ WORKSHOPS - ATTENDED

S.No.	Year	Title	National/ International
1.	2022	Emerging Trends in Physics and Physics Education(NCETPPE-2022)	National Conference(Presented Paper)
2.	2021	Exploring the Properties of Materials at Nanoscale	International Webinar

3.	2021	Environmental Protection: Our Common Responsibility	National Seminar
4.	2020	Food and Well Being Challenges of the 21 st century	International Webinar
5.	2020	Taming the Dragon –A Holistic Review of India	National Webinar
6.	2020	Revised Assessment and Accreditation Framework for Higher Education Institutions in India	National Workshop
7.	2020	International Staff & Student Exchange Programme	International Exchange Programme
8.	2020	Writing Interdisciplinary Research Projects	National Workshop
9.	2019	Future Innovation & Research in Science and Technology	National Conference(Presented Paper)
10.	2019	Gandhi :The Eternal Truth Relevance For Future Generations	International Conference(Presented Paper)
11.	2019	E- Learning and MOOCS in Higher Education	National Seminar
12.	2019	IOT ignite	National Workshop
13.	2019	Quantitative Techniques and Data Analysis	National Workshop
14.	2019	Life Skills Education	Workshop
15.	2019	Instrumentation Techniques for Research in Chemical Sciences	National Workshop
16.	2018	Advances in Science and Technology-an Interdisciplinary Approach	National Conference
17.	2018	Research Methodology and Data Analysis using Data Mining Tools	National Workshop
18.	2018	Emerging Trends and Scope in Banking Sector	National Conference
19.	2018	Gandhi in Post Liberalization India	National Conference
20.	2017	Safeguarding Human rights in India: Theory and Practice	National Seminar
21.	2017	Innovative Trends in Physics and Futuristic and Engineering –Vision 2030 (Paper Presented)	National Conference
22.	2016	Novel Approaches and Techniques in Research Methodology	National Workshop
23.	2016	Innovative Experiments of Physics for Engineers	National Workshop
24.	2014	Technical Terminology in Science	National Workshop
25.	2013	Empowering Women In The Changing Scenario	National Workshop
26.	2013	Sensitization towards values through literature	National Seminar
27.	2012	Innovative Course on Remote Sensing and Geo-informatics	National Workshop
28.	2012	Workshop on soft skills	
29.	2012	Tourism and Cultural Heritage of Rajasthan: Issues and Challenges	National Conference
30.	2011	Value Based Education in National Context	National Seminar
31.	2006	Laboratory Innovations in Physics	International Workshop

32.	2005	Interpreting Literature	National Seminar
33.	2005	International Year of Physics-2005	National Seminar
34.	2001	Current Trends In Physics	National Symposium

ORIENTATION/ REFRESHER/FDP/SHORT TERM COURSES –ATTENDED

S.No.	Year	Title
1.	2021	One Week Short Term Training on Initiatives for Teaching –Learning Excellence Studies (1-6 March)
2.	2020	Five Days FDP on Research and Career (19-23 October)
3.	2020	Institutional Benchmarking of Best Practices(FDP-8-14 June)
4.	2020	e-Content Development Methodology: Four Quadrant Model
5.	2020	Writing Interdisciplinary Research Projects(FDP- 29Jan)
6.	2019	Short Term Course On Material Science and Engineering (December 9-13, 2019)
7.	2018	UGC Sponsored Refresher Course in Chemical and Physical Science(From 13-09-2018 to 03-10-2018)
8.	2015	One Week Short Term Training Programme on Writing a Research Paper Using LATEX (Oct 28- Nov 1,2015)
9.	2010	Short Term Course on Training Programme on Basics of Remote Sensing and Geo-informatics(From 15-03-2010 to 17-03-2010)
10.	2018	Map Mapping using Qgis and Data Analysis is through SPSS(FDP-17 Sept)
11.	2018	Advanced Soft Skills(FDP-19 April)
12.	2018	Skills to be an Effective Teacher (FDP-5 Feb)
13.	2017	Learner Centric Pedagogy(FDP-7-8 Oct)
14.	2017	Innovative Teaching Techniques(FDP)
15.	2017	Writing an effective research proposal (FDP)
16.	2017	Effective Communication Skills-Module I (May 01-07,2017)
17.	2017	Effective Communication Skills-Module II (May07-15, 2017)
18.	2012	One month computer training(FDP)
19.	2012	Workshop on soft skills(FDP)