

A.N. COLLEGE, PATNA

CURRICULUM VITAE

Name: Dr. Manju Kumari

Designation: Assistant Professor

Department: Physics

E-Mail Id: manju992013@gmail.com

Research Profile:

- VIDWAN Id Link
- Google Scholar Link:
- ORCID ID Link:
- ResearchGate ID Link:



1. Personal Information

- Name: Dr. Manju Kumari
- Designation: Assistant Professor
- Department: Department of Physics
- Date of Birth: 20.10.1978
- Gender: Female
- Category: OBC
- Address (Residential): Vanshi Charan Kuteer, Ambedkar Nagar, Rupaspur, Patna- 800031, Bihar
- Mobile Number: 9431927729
- Email ID: manju992013@gmail.com
- Date of Joining: 15.05.2025

2. Educational Qualifications:

Sl.No.	Exam	Institute	University/ Board	Year of Passing	Percentage(%)
1	Matric	St. Aloysius, Ranchi	B.S.E.B, PATNA	1994	70.44
2	I.Sc.	Ranchi Women's college	B.I.E.C., ATNA	1996	50.11
3	B.Sc.(H)	Ranchi Women's college	RU, RANCHI	2000	58.87
4	M.Sc.	Dept.of Physics	RU, RANCHI	2003	70.37
5	B.Ed.	Basant College for Women	BHU, VARANASI	2005	73
6	Ph.D	Dept.of Physics	RU, RANCHI	2013	NA

3. Teaching Experience:

Institution	Designation	Duration	Years
NVS, Jojawar, Pali, Rajasthan	PGT, Physics	1yrs	2009
Directorate of Economics and Statistics, Dept. Of Planning and Development, Bihar, Patna	Junior Statistical Assistant	4.8 yrs	Dec. 2013- Aug. 2018
New Government Polytechnic Patna-13, Department of Science Technology and Technical Education, Patna	lecturer (Physics)	6.9 yrs	Aug. 2018 – May.2025

4. Research Experience (if any)

- Area of Specialization: Condensed Matter Physics, Spintronics
- Research Experience (Years): 6yrs

5. Publications

(a) Books / Chapters

- Giant Magneto resistance (GMR): An introduction, in Multidisciplinary subject for research III, volume 1, December 2020 (The board of red shine publication) ISBN 978 -1-716- 74325-2

(b) Research Papers (UGC Care / Scopus / Peer-reviewed) – National & International

1	International Journal of Integrative sciences, Innovation and Technology	Effects of spin coulomb drag in spintronics	Int. J. Int sci. Inn. Tech. Sec. A, Feb. 2013, Vol.2, Iss 6, pg 19-23	https://drive.google.com/file/d/13VkhtJIs3sqOT84oWmmWpmWG5-7F0s0m/view?usp=sharing
2	Indian Journal of Scientific Research	Phenomenological description of spin coulomb drag considering spin-flip possibility	Indian J.Sci.Res.3(1) : 157-159, 2012	https://drive.google.com/file/d/1U-S8IEW-u2ALdaIdtL82_BPAFRN7tjc/view?usp=sharing
3	International journal of engineering sciences & research technology	Spin coulomb Drag Effects In Absence Of Spin-Flip Process	International Journal of Engineering Sciences & Research Technology[674-677]	https://drive.google.com/file/d/1RGHn9PfsRFVbrAQ9Qrp9uwJ_8YJXsXF/view?usp=sharing
4	International Journal of Science and Research (IJSR)	Intelligent Braking System Using Ultrasonic Sensor	Paper ID: SR201113225328 DOI: 10.21275/SR201113225328	https://drive.google.com/file/d/1UgcPrsyMn-ofmjakMZfRPogt-vnsD0Hb/view?usp=sharing
5	International Journal of Science and Research (IJSR)	Chronological Records and Development in the Field of Spintronics	Paper ID: SR201105093129 DOI: 10.21275/SR201105093129	https://drive.google.com/file/d/1s1_zsIs3SXjFn25ph3xdtBRUxPIEfVzu/view?usp=sharing

(c) Conference / Seminar Papers – National & International

- UGC sponsored National seminar on recent trends in physical sciences organised by Department of Physics SKM University, Dumka, Jharkhand, March 19-29, 2012 on the topic is Spin Coulomb Drag: Implications in Spintronic Systems.
- First International Conference on Advanced Trends in Engineering and Emerging Technology (ICATEET-2026), January 17-18, 2026, Dielectric, electrical and ferroelectric properties of Sm modified $Pb(Fe_{0.5}Nb_{0.5})O_3$ ceramics

6. Research Projects

- Minor / Major Projects (Title, Funding Agency, Amount, Duration)

7. Conferences / Workshops / FDPs Attended

1	Induction course for PGT	21.05.09-10.06.2009	21 DAYS	NLI, CANACONA, GOA
2	Induction course for JSA	April-2014	2W	Balmi, Phulwarisharif, Patna
3	Induction Phase-1	11.03.2019-22.03.2019	2W	NITTTR, BHOPAL
4	STC- "Laboratory Practices in Applied Physics"	05.8.2019-09.08.2019	1W	NITTTR, Chandigarh
5	STC- "Advance in Laser Techonology	16.09.2019-20.09.2020	1W	NITTTR, Chandigarh
6	STTP-"Water Pollution and Health	21.10.2019 - 25.10.2019	1W	NITTTR, Kolkata
7	Induction Phase-2	24.02.2020 - 06.03.2020	2W	NITTTR, BHOPAL
8	STTP-"Laboratory Safety Management	27.04.2020 - 01.05.2020	1W	NITTTR, Kolkata
9	FDP-"Learning Physics Through Simple Experiments	20.04.2020 - 10.06.2020	8W	IIT, Kanpur
10	STTP - "An Introductory course on Ecology and Environmental Studies"	25.05.2020 - 29.05.2020	1w	NITTTR, Kolkata
11	STTP - "Organizational Behaviour	11.05.2020 - 15.05.2020	1w	NITTTR, Kolkata
12	STTP - " ICT mode short term course on MATLAB	18.05.2020 - 22.05.2020	1w	NGP, Patna-13
13	"Performing and Designing experiments on virtual platform"	08.06.2020 - 17.06.2020	2w	IIT, Roorkee
14	FDP on DEEKSHARAMBH (Student Induction Program)"	10.08.2020-14.10.2020	1w	NIT, Patna
15	"Embedded UVM open source Emulation & Functional	13.07.2020-17.07.2020	1w	IIT, Guwahati
16	Energy storage devices	06.07.2020 - 10.07.2020	1W	NITTTR, Chandigarh
17	LaTeX	16.10. 2020 - 20.10.2020	1W	IIT, Bombay
18				
19	"Next-Generation Trends For Nanotechnology in CMOS, Photonics, and Neuromorphic Computation"	25.01.2021-30.01.2021	1W	NIT, Patna
20	Induction Training	23.08.2021-03.09.2021	1W	NITTTR, Kolkata
21	MENTORING COACHING GUIDANCE AND COUNSELING (MCGC)	10.01.2022-14.01.2022	1W	NITTTR, BHOPAL
22	Eight Module	2021		AICTE
23	Urdu Learning Certificate	01.03.2021 - 31.08.2021	6 M	Urdu Directorate, Bihar, Patna
24	FDP on Use of ICT in institute	13.06.2022 - 24.06.2022	2 W	NITTTR, BHOPAL
25	Eight Module Consolidate	2020 - 2021	8W	NITTT
26	UHV	20.02.2023 - 24.02.2023	1W	AICTE

27	Induction Training	07.08.2023 - 12.08.2023	1W	BIPARD, Gaya
28	Malviye mission_BHU	19.02.2024 - 28.02.2024	1W	BHU, Varanashi
29	Advance Pedagogy	15.01.2024 - 26.01.2024	2W	NITTTR, Kolkata
30	Industrial Training	20.06.2024 - 11.07.2024	3W	Office of Deputy Director (Statistics), Patna Division, Patna, Bihar.
31	Curriculum implementation of OBE	25.11.2024 - 29.11.2024	1W	NITTTR, BHOPAL
32	NEP 2020 Orientation and Sensitization Programme	20.06.2025 - 30.06.2025	10 D	UGC-MMTTC, PU, Patna

8. Conferences / Workshops Organized

9. Administrative Experience:

Member, Environmental Protection committee, Member, Yearly activity report committee

10. Awards / Recognitions

11. Membership of Professional Bodies

- Life Membership: Indian Science Congress and The Indian Society for Technical Education

12. E-Content / Lecture Videos (if any)

-

13. Research Profiles

- VIDWAN Id Link
- Google Scholar Link:
- ORCID ID Link:
- ResearchGate ID Link:

14. Skills

- Teaching Methods / ICT Tools / Languages Known

15. Any Other Relevant Information

Declaration

I hereby declare that the above information is true and correct to the best of my knowledge.

Date: 15.04.2026

Place: Patna



Signature

(Dr. Manju Kumari)