

CURRICULUM VITAE

Name : Daya Ram
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Subject : Physics

Educational Qualifications:

- **Doctor of Philosophy (Ph.D)**
- **Master of Philosophy (M.Phil.)**
- **Master of Science (M.Sc.)**
- **J&K State Eligibility Test-2016**

Research Interests

Specialization : Nuclear Theoretical Physics
Area of research : Nuclear Structure

Awards/Scholarships

- Rajiv Gandhi Senior Research Fellowship, April 2012 – 31 oct., 2014
- Rajiv Gandhi Junior Research Fellowship, April 2010 - March 2012.

Teaching Experience

- Working as Assistant Professor in Higher Education Department, Govt. of J&K, at Government Degree College Kathua w.e.f. 6th Nov., 2023 to present.
- Worked as Assistant Professor in Higher Education Department, Govt. of J&K, at Government Degree College Budhal (Rajouri) w.e.f. 1st May, 2021 to 04 Nov., 2023.
- Worked as Lecturer in School Education Department, Govt. of J&K w.e.f. 15/05/2017 to 30/04/2021.
- Worked as Lecturer on Academic Arrangement basis at Government Degree College Kathua w.e.f. 31/08/2016 to 14/05/2017.
- Worked as Lecturer on Academic Arrangement basis at Government Degree College Kathua w.e.f. 17/09/2015 to 13/08/2016

Workshops/School/FDP/Refresher's Attended/Participated

- Attended NCC **Refresher Course at Officers Training Academy, Kamptee, Nagpur, Maharastra, from 01st July, 2024 to 20th July, 2024**
- Participated in one day "Research Facility Training Program" organized by the Department of Physics, University of Jammu, Jammu on 15th March, 2024.

- Delivered a poster presentation on “Physics and Yoga; its relationship” in Two Day International Conference on Health, Fitness, Yoga & Sports Science held at GDC, Kathua (Boys) on 5th -6th March, 2024.
- Participated in One Week National Level Online Faculty Development Programme (FDP) on “Advanced Research Methodology in Physical Sciences” conducted by the Department of Physics, Rajapalayam Rajus’ College, Rajapalayam from 03th October 2023 to 09th October 2023.
- Participated in National Workshop on Intellectual Property Rights organized by Intellectual Property Office and MoE’s Innovation Cell, GOI and Central University of Jammu on 20.01.2023.
- Participated in One Week Faculty Development Program on Govt. Web Portals and IT Tools organized by PSPS Govt. PG College for Women Gandhi Nagar, Jammu from 05.12.2022 to 09.12.2022
- Attended one Day International e-Workshop on Kindness organized by R&D Cell, Govt. P.G. College Rajouri on 13.11.2022.
- Attended and completed **PRCN Course of Associate NCC Officer** at Officers Training Academy Kamptee, Nagpur, Maharastra from 13.08.2022 to 22.10.2022.
- Participated in Two Weeks Refresher Course in Physics & Electronics organised by UGC Human Resource Development Centre, University of Jammu from 25th February to 11th March, 2022.
- Participated in Management Capacity Enhancement Programme organised by IIM Jammu from 7th to 11th February 2022.
- Participated in 2-Day Familiarization Workshop on nanofabrication Technologies held at Department of Physic & Electronics, University of Jammu from sept. 6-7, 2014
- DST-SERC School on *Modern Trends in Nuclear Physics and Dynamics*, held at Department of Physics, Indian Institute of Technology Roorkee, Roorkee from 06-24 Feb., 2012.
- National Workshop on *Nuclear Physics Using Ion Beams from Cyclotrons at VECC* held at VECC, Kolkatta from Aug. 24-26, 2011.

National & International Conferences attended 10

- International Conferences 04
- National 06

List of Publications

Journal Publications

1. Nuclear structure study of yrast bands of some odd mass thorium isotope **Daya Ram**, Rawan Kumar, Rani Devi and S.K. Khosa, *AIP Conference Proceedings* 2006, 030004 (2018)
2. A study of positive parity yrast bands of $^{230-240}\text{U}$ and $^{236-242}\text{Pu}$ nuclei S Sadiq, **Daya Ram**, R Devi and S K Khosa, *Ind. J Phys* 89, 713 (2014)
3. Microscopic non-axial study of even-even $^{226-230}\text{Th}$ with octupole- octupole interaction **Daya Ram**, Rani Devi and S.K. Khosa, *Ind. J. of Pure & App. Phys.*52, 322 (2014)
4. Microscopic study of positive parity yrast bands of $^{224-234}\text{Th}$ isotopes **Daya Ram**, Rani Devi and S.K. Khosa, *Pram. J. of Phys.* 80, 953 (2013)
5. Study on $^{222-226}\text{Th}$ Isotopes in the Cranking Framework **Daya Ram**, Rani Devi and S.K. Khosa, *Braz. J. Phys.* 43, 247 (2013)
6. Study of band structure of neutron-rich Pr isotopes, **Daya Ram**, Gopal Krishan, Rani Devi and S.K. Khosa, published in *AIP Conf. Proc.* 81, 1524, (2013)
7. Axial and non-axial study of neutron rich Pd and Cd isotopes near $A = 120$ Gopal Krishan, Ritu Choudhary, **Daya Ram**, Rawan Kumar, Rani Devi and S.K. Khosa, published in *AIP Conf. Proc.* 89, 1524, (2013)

Conference Abstracts

1. Microscopic Study of 228,230Th isotopes in the Cranking framework
Daya Ram and Rawan kumar
Proc. Of Two day International Conference on Recent Advances in Interdisciplinary Sciences (2019)
2. Study of E2 transition probabilities and g-factors of even-even Plutonium isotopes
Saiqa Sadiq, **Daya Ram**, Rani Devi and S.K. Khosa
Proc. of 101st Indian Science Congress (2014)
3. A systematical study of E2 transition probabilities and g-factors of neutron-rich $^{70,72,74,76}\text{Ge}$
Parvaiz Ahmad Dar, Tariq Ahmad War, Ritu Chaudhary and **Daya Ram**
Proc. of DAE Symp. on Nucl. Phys. 58 (2013) 120
4. Microscopic study of octupole-deformations in even-even $^{226-230}\text{Th}$ isotopes
Daya Ram, Saiqa Sadiq, Rani Devi and S.K. Khosa,
Proc. of DAE Symp. on Nucl. Phys. 58 (2013) 120
5. Non-axial study of $^{222,224}\text{Ra}$ Isotopes,
Daya Ram, Rani Devi and S.K. Khosa
Proc. of DAE Symp. on Nucl. Phys. 57 (2012) 250

6. Microscopic study of band structure of some actinide nuclei
Saiqa Sadiq, **Daya Ram**, Rani Devi and S.K. Khosa,
Proc. of DAE Symp. on Nucl. Phys. 57 (2012) 326
7. Study of high spin states of some even-even Pu isotopes in the Cranking framework
Daya Ram, Saiqa Sadiq, Rani Devi and S.K. Khosa
8th JK Science Congress (2012)
8. Projected shell model study Thorium Isotopes
Daya Ram, Saiqa Sadiq, Rani Devi and S.K. Khosa,
*Proc. of DAE Symp. on Nucl. Phys.*56 (2011) 352.
9. Study of yrast bands of some odd mass thorium isotopes
Daya Ram, Saiqa Sadiq, Rani Devi and S.K. Khosa,
7th JK Science Congress (2011) 17
10. Projected shell model study of yrast bands of some odd mass N=61 isotones
Monika Mahajan, **Daya Ram**, Rani Devi and S.K Khosa,
*Proc. of DAE Symp. on Nucl. Phys.*55 (2010) 130.