

Bio-Data



1. Name : Madan Mohan Gururani
2. Father's name : Mr. Puran Chandra Gururani
3. Mother's name : Smt. Anandi Gururani
4. Date of Birth : 10/02/1980
5. Designation : Assistant Professor
6. Department : Physics
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Educational Qualifications:

S.N.	Qualification/ Year of Passing	Division	Subject/ Specialization	Teaching experience	No. of seminar / workshop attended	Other Experiences
1.	Matriculation 1994	I st	Mathematics, Science, Biology	18 years of UG & PG	33	Admission and sports committee/ Internal examiner/ External examiner/ Subject counsellor of UOU and IGNOU
2.	Intermediate 1996	I st	Physics, Mathematics, Chemistry			
3.	B.Sc. 1999	I st	Physics, Mathematics, Computer Sci.			
4.	M.Sc. 2001	I st	Physics (Electronics)			
5.	CSIR-UGC NET-2004, GATE 2003 & 2004	Pass	Physical Sciences			

Date of joining of teaching: 14/12/2006 (Contractual) and 02/12/2015 (Permanent) after selection through Uttarakhand Public Service Commission (UKPSC).

Seminar/ Workshop/ Paper presentations:

- 01: Participated in the annual conference of academia and seminar on “**Transition on Knowledge Based Society**” organized by L. S. M. Govt. P. G. College Pithoragarh (March 15-16, 2009)
- 02: Participated in Regional Seminar on “**Intellectual Property and Innovation Management in Knowledge Era**” organized by UCOST and NRDC at G. P. G.C. Pithoragarh (July 11, 2009)
- 03: Science Education Programme catalyzed by UCOST and NASI, organized by L. S. M. Govt. P. G. College Pithoragarh (February 28, 2011).
- 04: National Seminar on “**Protection and Enforcement of Intellectual Property Rights in a Knowledge Economy: Opportunities and Challenges**” organized by department of Commerce, L. S. M. G. P. G. C. Pithoragarh (March 6 and 7, 2011).
- 05: Presented a paper entitled “**Electronic Waste: Its Environmental Impacts and Management Issues Before Developing Countries**” in National Conference on “Innovation in Ethnopharmacology, Recent Developments in Biological and Chemical Sciences for Societal Benefits” organized by department of Zoology, L. S. M. G. P. G. C. Pithoragarh (March 1- 3, 2013).
- 06: Attended Workshop organized by C.T.E. (B.Ed. Department) on 19 July 2013.
- 07: Attended science teachers refresher training program as subject specialist Organized by C.T.E. (03/10/2013 to 07/10/2013).
- 08: Attended science teachers refresher training program as subject specialist Organized by C.T.E. (08/10/2013 to 12/10/2013).
- 09: Attended National Workshop organized by I.G.C. (Department of Geology) on 11,12 November 2013.
10. Delivered lectures in 7 days science workshop jointly organized by School of Science, Uttarakhand Open University Haldwani and L. S. M. G. P. G. C. Pithoragarh (June 25- 01 July 2014).
11. Delivered lectures in 6 days workshop jointly organized by School of Science, Uttarakhand Open University Haldwani and L. S. M. G. P. G. C. Pithoragarh (July 17- 22 2015).
12. 7 days Workshop on “**Computer Literacy Training**” organized by C.T.E. B.Ed. Department, L. S. M. G. P. G. C. Pithoragarh (March 08 -16, 2016).

13. Presented a paper entitled “**India’s Initiatives in IPR and Patent Issues in The Field of Electronic and Information Technologies**” in Regional Seminar on “Introduction to Intellectual Property Rights” organized I.P.R cell L. S. M. G. P. G. C. Pithoragarh (March 9, 2016).
14. National workshop on “**Awareness of Intellectual Property Rights: Specific in Geographical Indications (GI)**” organized by department of Geology, L. S. M. G. P. G. C. Pithoragarh (March 17, 2016).
15. Delivered lectures in 7 days workshop jointly organized by School of Science, Uttarakhand Open University Haldwani and L. S. M. G. P. G. C. Pithoragarh (June 08- 14, 2016).
16. Presented a paper entitled “**Physics of Land Degradation: An Introduction**” in National workshop on “**Combating Desertification, Land Degradation and Drought**” sponsored by Ministry of Environment, Forest & Climate change, Govt of India under National Environment Awareness campaign (NEAC) organized by department of Geology, L. S. M. G. P. G. C. Pithoragarh (January 03, 2017).
17. Participated in the Regional seminar on “**Disaster Management**” Department of Geology and L. S. M. G. P. G. C. Pithoragarh (April 22, 2017).
18. Participated in the symposium entitled “**Immunology and Health-2017**” catalized by Indian Immunology Society and ASPIRE at L. S. M. G. P. G. C. Pithoragarh. (29th April 2017).
19. 7 days Workshop on “**Online and Digital Learning**” organized by C.T.E. of B.Ed. Department, L. S. M. G. P. G. C. Pithoragarh (March 09 -16, 2018).
20. Participated in National workshop on “**Awareness on Intellectual Property Rights**” organized by department of Geology, L. S. M. G. P. G. C. Pithoragarh (April 18, 2018).
21. Attended State Level Workshop on “**Gender Budgeting**” organized by department of Sociology, L. S. M. G. P. G. C. Pithoragarh on 25,26 and 27 March 2019.
22. Attended five days science teachers refresher training program as a resource person
Organized by C.T.E.–L. S. M. G. P. G. C. Pithoragarh (05/11/2019 to 09/11/2019).
23. Attended five days science teachers refresher training program as a resource person
Organized by C.T.E.–L. S. M. G. P. G. C. Pithoragarh (11/11/2019 to 15/11/2019).
24. Presented a paper entitled “**Gandhi ke vichaaro ki prasangikta aaj ke sandarva me**” in International Conference on “Relevance of Mahatma Gandhi in Present Global Perspective” organized by L. S. M. G. P. G. C. Pithoragarh (November 17- 18, 2019).
25. Participated in the Webinar: **Emerging Scenarios related to Zoonoses in a Warming Environment**, A 2- day webinar held on 19-20th June 2020, organized by K. Banerjee Centre of

Atmospheric and Ocean Studies, University of Allahabad in collaboration with Students for Holistic Development of Humanity (SHoDH), Kashi Prant.

26. Participated in the International Virtual Conference on **"Role of Technology in the Era of Covid-19 for Education"** organized by by USERC and MIET during **June 7 to June 8, 2020**.

27. Participated in the three-Day International Webinar on **"Challenges, Opportunities and Strategies in Post COVID19 Era"**, **12– 14 June, 2020 organized by, Department of Economics Ewing Christian College, Prayagraj, U.P.**

28. International e-conference on **"Recent advances in Physics: A promise to society"** on **24 & 25 June 2020** organized by department of Physics, Government P. G. College Bazpur in collaboration with department of Physics R.H. G.P.G. College Kashipur, Department of Physics P.N.G. P.G. College Ramnagar.

29. Participated in the Two Days National Virtual Conference on, **"COVID -19 Pandemic: Voice of Youth- An Urgent Need of Psycho-Social Support"** organized by M.B.G.P.G. College (Haldwani) in association with Uttarakhand Open University (Haldwani) and Directorate Higher Education (Uttarakhand) held on **21 & 22 June, 2020**.

30. Participated in Two-Day International Seminar on **"Role of Education, Literature, Culture and Society in Global Development"**, organized by Department of B.Ed., L. S. M. Govt. P. G. College, Pithoragarh (Uttarakhand) India, on 13-14 November, 2022 and contributed as member of advisory committee and presented a paper.

31. Article title **"Dimensions and Challenges of National Education Policy-2020 in the Context of Higher Education"** Published in edited book **"Ecology & Biodiversity of Himalaya"**, Published by Nikhil Publishers & Distributors, Agra (UP), India

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ISBN:978-93-5552-393-8

32. Coordinator of National workshop on **"Recent Trends in Physical Sciences"**, 27-28 March 2024. Organised by Department of Physics, L S M Campus Pithoragarh, SSJ University Almora. Sponsored by Uttarakhand State Council for Science & Technology (UCOST) Dehradun.

33. Coordinator of Certificate Course on **"Advanced Quantum Mechanics"**, 18-22 March 2024. Organised by Department of Physics, L S M Campus Pithoragarh, SSJ University Almora in collaboration with Uttarakhand Science Education & Research Centre (USERC) Dehradun.

Courses:

1. Successfully completed 11 weeks' online course on September 11, 2020 through Coursera, on *Particle Physics: An Introduction* offered by *University of Geneva*, **Grade Achieved: 90%**
2. Successfully completed 2 hours online Guided project on September 26, 2020 through Coursera, on *Programming a Quantum Computer with Qiskit* offered by *Coursera project network* with **Grade Achieved: 100.00%**
3. Successfully completed 4 weeks online course on October 6, 2020 on *Philosophy and the Sciences: Introduction to the Philosophy of Physical Sciences* offered by *The University of Edinburgh* with **Grade Achieved: 90.00%**
4. Successfully completed 4 weeks online course on October 24, 2020 through Coursera on *Introduction to Artificial Intelligence (AI)* offered by *IBM* with **Grade Achieved: 84.72%**
5. Successfully completed online Guided project on June 17, 2020 through Coursera, on *Creating your first C++ Application* offered by *Coursera project network* with **Grade Achieved: 100.00%**

Induction/Orientation/Refresher/FDP Programs:

1. Successfully completed a **4-Week Induction/Orientation Programme** for "Faculty in Universities/Colleges/Institutes of Higher Education" conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching From June 26—July 24, 2020 and obtained **A+** grade.
2. Successfully completed a **2-Week Online Faculty Development Programme** on "**Development of Online Course for SWAYAM**" conducted by School of Computer Science & IT & Online Program Cell UOU in Collaboration with ECMCA New Delhi, From 21 June-5 July 2021.
3. Successfully completed a **2-Week interdisciplinary Faculty Development Programme** on "**Sahitya, Rajneeti Media aur Paryavaran: Samsamyik Sandarbh**" conducted by Teaching Learning Centre, Ramanujan College in Collaboration with SLC (University of Delhi), under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission On Teachers and Teaching From 15 July-31 July 2021 and obtained **A** grade.
4. Successfully completed online **two-week interdisciplinary refresher course** on "**Advanced Research Methodology**" organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National

Mission On Teachers and Teaching from 22 November-06 December, 2022 and obtained Grade A+.

5. Participated in the Online UGC sponsored refresher course on "**Interdisciplinary Refresher Course on E-Learning and E- Governance**" organised by UGC-Human Resource Development Centre University Of Allahabad from March 28 to April 10, 2023 and obtained Grade A.

Books/Chapters:

1. Contributed 03 chapters (units) in book "**Quantum Mechanics MSCPH-503**" 2021 for M.Sc. 1st Semester program in Uttarakhand Open University.

2. Contributed 04 chapters (units) in book "**Thermodynamics and Statistical Mechanics BSCPH201**" for B.Sc. 2nd year program in Uttarakhand Open University. **ISBN: 978-81-949373-9-5.**

3. Book title "**Electricity and Magnetism**" for B.Sc. IInd Semester NEP-2020 program For all Uttarakhand State Universities. **ISBN: 978-81-19067-88-6, 2023.** J.P Agarwal, **M M Gururani**, S P Singh, S K Shrivastava.

4. Book title "**Geometrical Optics**" for B.Sc. IVth Semester NEP-2020 program For all Uttarakhand State Universities. **ISBN: 978-93-5854-552-4, 2024.** J.P Agarwal, S P Singh, Lalit Singh, **M M Gururani**.

5. Book title "**Optics**" for B.Sc. Vth Semester NEP-2020 program For all Uttarakhand State Universities. **ISBN: 978-81-5854-518-0, 2024.** J.P Agarwal, **M M Gururani**, L. Singh.

6. Book title "Prakashiki (in Hindi)" for B.Sc. Vth Semester NEP-2020 program for all Uttarakhand State Universities. **ISBN: 978-93-5854-833-4, 2024.** J.P Agarwal, Vinay Dua, **M M Gururani**, Lalit Singh.