

## CURRICULUM VITAE

### Dr. Manjul Gondwal

Assistant Professor  
Department of Chemistry,  
Radhey Hari Govt. P.G. College, Kashipur-244713  
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Google scholar citations: 303



### Objective:

To Associate Myself with Professionally Managed Organization Providing Congenial Working Environment With Ample Scope for Initiative, Drive and Application of Analytical Skill, with Opportunity for Career Growth.

### 1. Educational Qualifications:

Exam/Degree	University / Board	Passed Year
Ph.D	H.N.B. Garhwal Univ. (A Central University), Srinagar Garhwal, UK	2015
M.Sc.	G.B. Pant Univ. of Agri. & Tech., Pantnagar	2009
B.Sc.	H.N.B. Garhwal Univ. (A Central University), Srinagar Garhwal, UK	2007

#### • **Ph.D. Thesis title and date of viva-voce:**

“Green Synthesis, Biological And Catalytic Activities Of Silver And Copper Nanoparticles”.

- ✓ The viva-voce for Ph.D. degree was held in the Department of Chemistry, H.N.B. Garhwal University (A Central University), Srinagar Garhwal, Uttarakhand on dated 03-10-2015.

### 2. Appointments:

#### • **Current**

- ✓ **Assistant Professor**, Department of Chemistry, Radhey Hari Government Post Graduate College, Kashipur (Kumaun University, Nainital ), Uttarakhand since 1<sup>st</sup> February 2025 to continue.

#### • **Previous**

- ✓ **Assistant Professor**, Department of Chemistry, Laxman Singh Mahar Campus, Pithoragarh (Soban Singh Jeena University, Almora), Uttarakhand since 3<sup>rd</sup> March 2020 to 31<sup>st</sup> January 2025.
- ✓ **Assistant Professor**, Department of Chemistry, Laxman Singh Mahar, Government Post Graduate College, Pithoragarh, Uttarakhand since 18<sup>th</sup> March 2020 to 02<sup>nd</sup> March 2023.
- ✓ **Assistant Professor (Guest)** in K.L.D.A.V. (P.G.), College, Roorkee from dated 14/12/2015 to 15/04/2016.
- ✓ **Assistant Professor (Guest)** in Government Degree College, Naikhri (Chanderbadni) Tehri Garhwal, Uttarakhand from 14-12-2015 to 07-10-2016.
- ✓ **Project Assistant** at Indian Institute of Petroleum, Dehradun, Uttarakhand from 31-08-2009 to 28-08-2010.

### 3. Qualified Exams:

- ✓ Appointed as Assistant Professors of Chemistry through screening cum interview by Soban Singh Jeena University, Almora, Uttarakhand.

- ✓ Appointed as Assistant Professors of Chemistry through Uttarakhand Public Service Commission (UKPSC), 2017.
- ✓ **CSIR-NET** for lectureship (Chemical Sciences), December, 2012.
- ✓ Uttarakhand State Eligibility Test (**U-SET**) for Lectureship in 2012.
- ✓ All India level Common Research Entrance Test, conducted by HNB Garhwal University, Srinagar Garhwal in 2011.

#### **4. Awards and fellowship:**

- ✓ **Education Research and Development Association (ERDA) Excellence Award-2024** for Teaching during ERDA Global Summit & Awards 2024, held in Delhi NCR, India on 14 December 2024.
- ✓ **Teacher of the Year-2024 award from Govt. of Uttarakhand** during 5<sup>th</sup> Dehradun International Science & Technology Festival (5<sup>th</sup> DISTT-2024) and 7<sup>th</sup> Himalayan Educator's Summit & Felicitation Ceremony at Uttarakhand Technical University, Dehradun on dated 23 November 2024.
- ✓ **Young Scientist Award** for oral presentation in 8<sup>th</sup> Uttarakhand State Science & Technology Congress-2013, 26-28 December, 2013 at Doon University, Dehradun, Uttarakhand.
- ✓ **Best poster presentation** in National Conference on Nanotechnology and Renewable Energy (NCNRE) organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi during April 28-29, 2014.
- ✓ UGC-RGNF-Senior Research Fellow since April, 2013 – Feb 2015.
- ✓ UGC-RGNF-Junior Research Fellow from April, 2011 –March, 2013.

#### **5. Area of Interests:**

- ✓ Nanomaterials, Material chemistry, Coordination Chemistry, Green Chemistry, and Environmental Chemistry

#### **6. Research Experience:**

- ✓ Mentoring M.Sc. students for their dissertation and Ph.D. students for their doctoral degree since march 2020.
- ✓ Research Fellow at Department of Chemistry, H.N.B. Garhwal University (A Central University), Srinagar Garhwal, Uttarakhand, India since February 2 to Sept. 2014.
- ✓ Project Assistant at Indian Institute of Petroleum, Dehradun, Uttarakhand from 31 August 2009 to 28 August 2010.

#### **7. Area of Specialization:**

- ✓ **Nanotechnology (Material chemistry)**  
Metal (silver and copper) nanoparticles have been synthesized and characterized by various physico-chemical techniques i.e. UV-Vis analysis, IR, X-ray powder diffraction analysis, Transmission electron microscopy (TEM), Scanning electron microscopy (SEM), Energy dispersive X-ray spectroscopy (EDX), thermal analysis (TGA), etc. Metal nanoparticles have been studied for catalytic and biological application.
- ✓ **Material Chemistry & Natural Products (Future Plan)**  
To isolate compounds from medicinal plants by column chromatography and then used to synthesize metal nanoparticles (gold, zinc, palladium etc) and characterize them by physico-chemical techniques as above along with their antibacterial, antifungal, antimalarial, antitubercular, anticancerous activity and catalytic activity.
- ✓ **Presently we are working on**  
To synthesize mixed ligands and mixed transition metal complexes based on Dithiocarbamate, Azomethine and thiazole based compounds of medicinal use, characterize them by various physico-chemical techniques, studying supramolecular architecture,

molecular docking, Hershfled surface analysis and detection of Heavy metal ions from natural water resources of Uttarakhand along with their antimicrobial and antitubercular activity.

#### **8. Technical Expertise:**

- ✓ Synthesis of Nanoparticles, Column chromatography, Characterizations i.e. Powder XRD, TEM, SEM, EDX etc, UV-Visible, IR-Spectroscopy, NMR, HPLC, Electron Spin Resonance Spectroscopy (ESR), Thermal analysis (DSC, TGA, DTA & DTG), Single-crystal X-ray, Molecular Docking and Hershfled surface analysis.

#### **9. Teaching Experience:**

- ✓ The classes of Postgraduate and Undergraduate students have been taught by me in the Laxman Singh Mahar Campus, Pithoragarh (Soban Singh Jeena University) Uttarakhand since 03/03/2023 as an Assistant Professor.
- ✓ The classes of Postgraduate and Undergraduate students have been taught by me in the Laxman Singh Mahar Government Postgraduate College in Pithoragarh, Uttarakhand since 18/03/2023 as an Assistant Professor.
- ✓ Subject matter expert of Uttarakhand Open University, Haldwani and IGNOU.
- ✓ Served as Teaching Assistance in the Department of Chemistry, GB Pant University of Agri. & Tech., Pantnagar, Uttarakhand during Session 2007-08 and 2008-09.
- ✓ Served as Teaching Assistance in the Department of Chemistry, HNB Garhwal University, Srinagar Garhwal, Uttarakhand during Session 2013-14 and 2014-15.
- ✓ The classes of P.G. and U.G. are taking since joining as an Assistant Professor at LSM Govt PG College, Pithoragarh.

#### **10. Supervision of Ph.D. Students:**

- ✓ Presently three (03) students are doing research work for their doctoral degree.

#### **11. P.G. Project/Dissertation Supervised:**

- ✓ 13 Students from SSJ University and 03 students from Uttarakhand Open University completed their dissertation for partial fulfillment of requirements for the degree of Master of Science in Chemistry.

#### **12. Publications:**

##### **• Patent application:**

- ✓ Method and Process of Neem Bark Extracts, D.S. Talwankar, M. A. Barote, B.P.S. Gautam, M. C. Patil, **M. Gondwal**, M. Upadhyay and A.K. Chaturvedi. IN Patent App. 202221012550 (2022).

##### **• Research Papers/Articles:**

- ✓ **M. Gondwal**, N. Sharma, G. Joshi nee Pant, B.P.S. Gautam, S. Singh, K. Tumba, I. Bahadur, Bioactivity and Catalytic reduction of aryl nitro-compounds by biosynthesized silver nanoparticles using *Skimmia anquetilia*, *ChemistrySelect*, 8 (2023), Article e202203782 [IF = 2.3]
- ✓ B.P.S. Gautam, **M. Gondwal**, R. R. Maurya, P. Singh, R. L. Prasad, and Indra Bahadur. Synthesis, spectroscopic, solid-state electrical conductivity, and thermal analysis of Cu(II) doped Zn(II) heterobimetallic complexes derived from 2,5-dichloro-3,6-bis-(methylamino)1,4-benzoquinone." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 647 (2022), 129071.[IF = 5.52]
- ✓ **M. Gondwal** and G. J nee Pant, Synthesis and Catalytic and Biological Activities of Silver and Copper nanoparticles using *Cassia occidentalis*, *International Journal of Biomaterials*, 10:1-10 (2018). [IF=3.0]
- ✓ B.P.S. Gautam, **M. Gondwal**, M. Srivastava, R. K. Dani, R. L. Prasad and R. A. Yadav, Synthesis, characterization, structural aspects, antibacterial activity and DFT Calculation of

2-Chloro-5-ethoxy-3,6-bis(methylamino)-1,4-benzoquinone, *Pharmaceutica Analytica Acta* Vol. 6,418-428 (2015). [IF = 1.43]

- ✓ O. Prakash, **M. Gondwal** and A. K. Pant, Essential oils composition and antioxidant activity of water extract from seeds and fruit pulp of *Skimmia anquetilia* N.P. Taylor & Airy Shaw, *Indian Journal of Natural Products and Resources*, 2(4) 435-441 (2011).[IF=0.8]
- ✓ **M. Gondwal**, O. Prakash, Vivekanand, A. K. Pant, R. C. Padalia and C. S. Mathela, Essential oil composition and antioxidant activity of leaves and flowers of *Skimmia anquetilia* N.P. Taylor & Airy Shaw, *Journal of Essential Oil Research*, 24(1) 83–90 (2012).[IF=2.2]
- ✓ **M. Gondwal**, O. Prakash, H. Punetha, S. Kanaujia and A. K. Pant, Effect of essential oils of *Skimmia anquetilia* N.P. Taylor & Airy Shaw on fecundity, growth and development of *Caryedon serratus*, *International Journal of Biology, Pharmacy and Allied Sciences*, 1(2) 124-132 (2012).[IF=2.375]
- ✓ **M. Gondwal** and G. J nee Pant, Biological evaluation and green synthesis of silver nanoparticles using aqueous extract of *Calotropis procera*, *International Journal of Pharma and Bio Sciences*, 4(4):635 – 643 (2013).[IF=0.5]
- ✓ **M. Gondwal**, G. J.nee Pant, B. P. S. Gautam and M. Gondval, Chemical Constituents and Biological Activities of Genus “*Skimmia*”*The Natural Products Journal* Vol. 5, 91-102 (2015).[IF=0.7]
- ✓ K. Kushwaha, N. Jaiswal, V. Kumar, **M. Gondwal** and B.P.S. Gautam, Synthesis, characterization and crystal structure of tridentate (N, O, S) Schiff base ligand and its vanadium (V) complexes with their in vitro cytotoxicity applications. (Manuscript ready for communication in *RSC Advances*)
- ✓ B.P.S. Gautam, R. L. Prasad, and **M. Gondwal**, 1-D coordination polymers of the type  $\text{Cu}_x\text{Ni}_{1-x}(\text{L}) \cdot y\text{H}_2\text{O}$ : Synthesis, characterization and conducting behavior (Manuscript ready for communication in *Colloids and Surfaces A: Physicochemical and Engineering Aspects*).
- ✓ B.P.S. Gautam, **M. Gondwal** and R. L. Prasad, 2,5-dichloro-3,6-bis(methylamino)-1,4-benzoquinone a conducting molecule: Uv-Visible, AFM analysis, Solid-state electrical conductivity, thermal analysis, DFT optimization and antimicrobial activity (Manuscript ready for communication)
- ✓ Deepak Kumar, **M. Gondwal** and B.P.S. Gautam, Advancements in Graphite-Based Materials for Energy Storage Systems (Manuscript ready for communication)
- ✓ **M. Gondwal** and B.P.S. Gautam, synthesis, characterization and *in-silico* studies of *Psidium guajava* based nanomaterials(Manuscript ready for communication)
- ✓ Anjum Qureshi, **M. Gondwal** and B.P.S. Gautam, Dithiocarbamate Complexes: Bridging Chemistry and Biology for Innovative Applications. (Manuscript ready for communication)
- **Book Published:**
- ✓ **M. Gondwal** and B. P. S. Gautam, *Skimmia anquetilia* A brief study on its chemical constituents and biological activities. ISBN: 978-3-659-46872-8, LAMBERT Academic Publishing, Germany (2015).
- ✓ Medicinal Chemistry (MSCCH6060E2) of M.Sc. IV<sup>th</sup> Sem. of Uttarakhand Open University, Haldwani (2023).
- ✓ General Chemistry-III of B.Sc. III<sup>rd</sup> Sem. as per the NEP 2020 (Uttarakhand), Published by Pragati Prakashan, Meerut. (First Edition:2024) ISBN: 978-93-5854-054-3.

- ✓ Physical Chemistry of B.Sc. VI<sup>th</sup> Sem. as per the NEP 2020 (Uttarakhand), published by Pragati Prakashan, Meerut. (First Edition:2025) ISBN: 978-93-6962-886-5.
- **Book Chapter Published:**
- **International**
- ✓ Nidhi Sharma, Himanshu Pandey, Amit Kumar Sonkar, **M. Gondwal**, and Seema Singh Multimodal spectroscopic methods for the analysis of carbohydrates, Advanced Spectroscopic Methods to Study Biomolecular Structure and Dynamics. <https://doi.org/10.1016/B978-0-323-99127-8.00019-2>. Pages 459-47. (**Springer Nature**).
- ✓ B.P.S. Gautam, **M. Gondwal** and N. Kishore, Adverse Effect in Human Beings Associated with Excess Dietary Protein Intake. Springer Brief in Biochemistry and Molecular Biology. DOI: 10.1007/978-81-322-2491-4\_9. Biomedical Applications of Natural Proteins. Pages 115-128. (**Springer Nature**).
- ✓ **M. Gondwal**, B.P.S. Gautam and N. Kishore, Eggs laying behavior of *Caryedon serratus* (Olivier) on the essential oils of *Skimmia anquetilia*. Trends in Insect Molecular Biology and Biotechnology. DOI: 10.1007/978-3-319-61343-7. Pages 233-24. (**Springer Nature**).
- ✓ V. Kumar, D. Mitra, A. Rani, D. C. Suyal, B.P.S. Gautam, L. Jain, **M. Gondwal**, K. K. Raj, A. K. Singh, and R. Soni, Bio-inoculants for Biodegradation and Bioconversion of Agrowaste: Status and Prospects: Bioremediation of Environmental Pollutants, DOI: 10.1007/978-3-030-86169-8\_16. Pages 351-367. ISBN: 978-3-030-86169-8. (**Springer Nature**).
- ✓ S. S. Gautam, **M. Gondwal**, R. Soni and B.P.S. Gautam, Potash Biofertilizers: Current Development, Formulation and Applications: Trends of Applied Microbiology for a Sustainable Economy. DOI: 10.1016/B978-0-323-91595-3.00014-8. ISBN: 978-0-323-91595-3. (**John Wiley & Sons Inc (US)**).
- ✓ B.P.S. Gautam, G. K. Verma, N. Sharma, V. Kumar and **M. Gondwal**, Mixed valence  $\pi$ -Conjugated Coordination Polymers and their applications for OLEDs: Organic Light Emitting Diode (OLED) Toward Smart Lighting and Displays Technologies: Material Design Strategies, Challenges and Future Perspectives. ISBN: 978-1-003-26041-7. (**CRC Press, Taylor & Francis**).
- ✓ N. Kishore, **M. Gondwal**, R. Soni, G.K. Verma, R. Lal and B.P.S. Gautam, Impact of Physical and chemical processes on marine environment. Book: Current status of Marine Water Microbiology. DOI: 10.1007/978-981-99-5022-5. (**John Wiley & Sons Inc (US)**).
- ✓ **M. Gondwal**, Navneet Kishore, Ravindra Soni, Rakesh Verma, B.P.S. Gautam, The Chemical Composition of the Water in the Rivers, Lakes, and Wetlands of Uttarakhand. Book: Current status of Fresh Water Microbiology. DOI: 10.1007/978-981-99-5018-8. (**Springer Nature**).
- ✓ **M. Gondwal**, B.P.S. Gautam and Girish Chandra Shah, Essential oils as biorational insecticides. *Biorationals and Biopesticides: Pest management*. Walter de Gruyter GmbH & Co KG. (2024), 335-354. DOI: 10.1515/9783111204819-016. ISBN: 9783111204727. (**Walter de Gruyter GmbH, Berlin/Boston**).
- ✓ B.P.S. Gautam, A. Qureshi, A. Gwasikoti, V. Kumar and **M. Gondwal**, Global scenario of plastic production, consumption, waste generation and their impacts on environment and human health. DOI: 10.1007/978-3-031-55661-6\_1. (**Springer Nature**).
- ✓ **M. Gondwal**, A. Gwasikoti, A. Qureshi, P. P. Solanki, R. K. Verma and B.P.S. Gautam, Biodegradation of polyurethane (PU), and polyvinyl chloride (PVC). DOI: 10.1007/978-3-031-55661-6\_5. (**Springer Nature**).

- ***Accepted/Communicated***

- ✓ R. Verma, P. Sharma, L. Upadhyay, **M. Gondwal**, B.P.S. Gautam and I. Bahadur, The impact of microplastic-mediated pollution on marine ecosystems. (***Springer Nature***)
- ✓ **M. Gondwal**, B.P.S. Gautam, Robina Aman and Virendra Kumar, Smart Nanomaterials: Synthesis, Applications and Future Prospects. (***Bentham Science***)
- ✓ B.P.S. Gautam, **M. Gondwal**, Roshan Lal, Yogesh Kumar, Sarita Kalacoti and Desh Deepak, Nanomaterials: Revolutionizing Environmental Remediation Efforts. (***Bentham Science***)
- ✓ B.P.S. Gautam, **Gondwal, M.**, Sarita Kalakoti, Roshan Lal and Desh Deepak Nanotechnology and Environment. (***Bentham Science***)
- ✓ **M. Gondwal.**, and B.P.S. Gautam, Organic-inorganic nanohybrids for sensing and optoelectronics applications (***ACS***).
- ✓ **M. Gondwal**, B.P.S. Gautam, and Girish Chandra Shah, Essential oils as biorational insecticides (***Accepted in Springer Nature***).
- ✓ **M. Gondwal**, Navneet Kishore, Ravindra Soni, Rakesh Verma, B.P.S. Gautam, The Chemical Composition of the Water in the Rivers, Lakes, and Wetlands of Uttarakhand. Book: Current status of Fresh Water Microbiology. DOI: 10.1007/978-981-99-5018-8 (***Springer Nature***)

- ***Other Publications***

- ✓ **Gondwal, M.**, Deepak, D., Lal, R., Pande, A.P., Bisht, M., Karki, N., Verma, R.K. and Gautam, B.P.S. (2023) "Some medicinal plants from the Uttarakhand region having anti-cancer properties", Ecology & Biodiversity of Himalaya. ISBN: 978-93-5552-393-8. Nikhil Publishers & Distributors Agra (UP) India, pp.106-123. <https://doi.org/10.5281/zenodo.7903873>
- ✓ Upadhyay, L., Sharma, P., Joshi, A., Gautam, B.P.S., **Gondwal, M.**, Selakoti, B., Bohra, S. and Verma, R. (2023) "A Review on the Status of Ganga River with Reference To its Pollution Sources And Mitigation Policies", Ecology & Biodiversity of Himalaya. ISBN: 978-93-5552-393-8. Nikhil Publishers & Distributors Agra (UP) India, pp. 56-72. <https://doi.org/10.5281/zenodo.7903873>
- ✓ Gautam, B.P.S., Lal, R., Deepak, D., Kumar, D., Bharti, Arya, P. and **Gondwal, M.**, (2023) "Nanoparticles: Applications in Agriculture And Medicine", Ecology & Biodiversity of Himalaya. ISBN: 978-93-5552-393-8. Nikhil Publishers & Distributors Agra (UP) India, pp.124-134. <https://doi.org/10.5281/zenodo.7903873>
- ✓ Bharti, Kumar, D., Arya, P., Bhardwaj, S., Gautam, B.P.S., **Gondwal, M.**, Renu, Bhatt, G., Pandey, M. and Chaturvedi, Abhay (2023) "Role of Medicinal Herbs in Treatment of Gynecological Problems in Women", Ecology & Biodiversity of Himalaya. ISBN: 978-93-5552-393-8. Nikhil Publishers & Distributors Agra (UP) India, pp. 92-105. <https://doi.org/10.5281/zenodo.7903873>
- ✓ Kumar, D., Bharti, Arya, P., Gautam, B.P.S., **Gondwal, M.**, **Renu, Bhardwaj, P. and Tiwari, J. (2023) "Role of Phytochemicals as Nutraceuticals and their Multidimensional Health Benefits"**, Ecology & Biodiversity of Himalaya. ISBN: 978-93-5552-393-8. Nikhil Publishers & Distributors Agra (UP) India, pp. 82-91. <https://doi.org/10.5281/zenodo.7903873>.

- ✓ **M. Gondwal**, Kalakoti, S. Verma, R.K., Gautam, B.P.S., Pandey, I.K. and Verma, G.K. (2023) “Environmental Hazards in the Himalaya”. Natural Hazards in Himalaya. The Shambhavi. M Associates” New Delhi, ISBN: 978-81-951370-2-2.
- ✓ Sarita Kalakoti, **M. Gondwal**, Deepak Kumar, Pankaj Arya, Bharti, Apurva Joshi, A. P. Pandey and B.P.S. Gautam “The causes and Impact of the melting Himalayan glaciers”. Natural Hazards in Himalaya. The Shambhavi. M Associates” New Delhi, ISBN: 978-81-951370-2-2.
- ✓ Manoj Kumar, **M. Gondwal** and B.P.S. Gautam, Membrane-Based Processes for Environmental and Industrial Applications. Innovations in Science: Collaborative Research and New Horizons. Notion Press, New Delhi. ISBN: 9798892774703.
- ✓ Bharti, Kumar, D., Arya, P., Selakoti, B., Bhardwaj, S., Renu, Gautam, B.P.S., **Gondwal, M.** and Kalakoti, S. Climate change and its effects on ecosystems, water resources and agriculture in Uttarakhand, India. Natural Hazards in Himalaya. The Shambhavi. M Associates” New Delhi, ISBN: 978-81-951370-2-2.
- ✓ A. Qureshi, **M. Gondwal** and B.P.S. Gautam, Chemical Dynamics in Ecosystems: Understanding Environmental Chemistry. Innovations in Science: Collaborative Research and New Horizons. Notion Press, New Delhi. ISBN: 9798892774703.
- ✓ R. Lal, A. Qureshi, S. Kalacoti, **M. Gondwal** and B.P.S. Gautam, Pollutants and Solutions: Environmental Chemistry Challenges and Innovations. Innovations in Science: Collaborative Research and New Horizons. Notion Press, New Delhi. ISBN: 9798892774703.

### 13. Units writing

- ✓ Electrochemistry (unit-02) in Lab Course III (MSCCH605), M.Sc. III<sup>rd</sup> Sem of Uttarakhand open University, Haldwani (2022).
- **Conference Proceeding:**
- ✓ **M. Gondwal**, B. P. S. Gautam, S. Singh and G. J. nee Pant. Bioactivity and green synthesis of silver nanoparticles using *Skimmia anquetilia* stem extract. In Proceedings of “National Conference on Nanotechnology and Renewable Energy (NCNRE - 14)”, organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi during 28 – 29 April, 2014. Bharti publication, New Delhi, ISBN: 9789381212653, Contributor khan, Zishan Husain, pages 343-346.

### 14. Orientation & Refresher Programme Completed:

S.No.	Programme	Date	University/ Institution	Grade
1.	Faculty Development Programme	25-29 May, 2020	MHRD, Govt. of India, GAD TLC, SGTB Khalsa College, University of Delhi and Department of Chemistry, J.C. BOSE University of Science and Technology, YMCA, Faridabad	A <sup>+</sup>
2.	One week National workshop	28 July- 03 August 2020	Department of Physics, Mahatma Gandhi Central University, Motihari-845401, Bihar(APTTMC-2020)	-
3.	<b>Orientation Programme</b>	16 April-15 May 2021	TLC, Ramanujan College, University of Delhi	A <sup>+</sup>
4.	Faculty	20-28 January,	Internal Quality Assurance Cell	-

	Development Programme	2022	(IQAC) of ST Pauls College, Bengluru	
5.	Ten Days National Lecture Series	21-30 January, 2022	PG Department of Chemistry, Nabira Mahavidyalaya, Katol	-
6.	Faculty Development Programme	18-22 April 2022	Prince Shri Venkateshwara Arts and Science College, Gowrivakkam, Chennai-600073	-
7.	Faculty Development Programme (International)	02-07 May 2022	Amar Sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur-440024, Maharashtra	-
8.	Faculty Development Programme	23-28 may, 2022	Amar Sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur-440024, Maharashtra	-
9.	<b>Refresher Course</b>	08-22 July 2022	UGC-HRDC, Kumaun University, Nainital, Uttarakhand	A <sup>+</sup>
10.	Short-Term Professional Development Programme (NEP-PDP-2020)	09-17 Sep. 2022	Indira Gandhi National Open University, Maidan Garhi, New Delhi-110068	-
11.	Faculty Development Programme	29 May- 3 June 2023	Amar Sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur-440024, Maharashtra	-
12.	<b>Refresher Course</b>	03 June-15 June 2024	Sant Gadge Baba Amravati University, Amravati UGC-New Delhi	A <sup>+</sup>

#### 15. Academic/Administrative positions:

S.No.	Chairman/Member/ Secretary	Committee/Board	Session
1.	Incharge	<b>Book Bank</b>	2022-2023, 2023-2024, 2024-2025
2.	Member	<b>IQAC</b>	2021-2022, 2022-2023, 2023-2024, 2024-2025
3.	Member	Admission Committee B.Sc. 3 <sup>rd</sup> Sem.	2021-2022
4.	Member	Admission Committee B.Sc. 2 <sup>nd</sup> Year	2020-2021
5.	Member	Library digitalization	2019-2020
6.	Convenor	Book bank Digitalization	2023-2024
7.	Member	Chemistry Department	2019-2020, 2020-2021,



		Association	2021-2022, 2022-2023, 2023-2024
8.	Co-Convener	Chemistry Department Association	2024-2025
9.	Member	Chemistry Department Library	2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025
10.	Member	Annual Sports Committee	2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025
11.	Member	Annual Cultural Committee	2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025
12.	Member	NEP	2022-2023
13.	Member	Admission Committee B.Sc. 1 <sup>st</sup> Sem.	2023-2024, 2024-2025
14.	Member	Proctorial Board	2023-2024, 2024-2025
15.	Co-Convener	Admission Committee of M.Sc. III <sup>rd</sup> Sem.	2023-2024, 2024-2025
16.	Co-Convener	Admission Committee of M.Sc. I <sup>st</sup> Sem.	2023-2024, 2024-2025
17.	Convener	Departmental Time table and Syllabus Committee	2024-2025

**16. Seminars/Conference/ Webinar/Quiz competition organized/ Invited Lecture:**

S.No.	Contribution	Title	Date & Venue
1.	Organizing committee member	“Practicing Chemdraw, Origin and Mendeley Tools in Research”	08-10 August, 2020. Deptt. of Chemistry, LSM GPGC Pithoragarh, Uttarakhand
2.	<b>Organising Committee Member</b>	<b>Anti-drug awareness program, Green campus (Plantation and Cleaning), Waste management (Pit digging etc.), Solar light Installation</b>	LSM Campus, Pithoragarh (2021-2022, 2022-2023, 2023-2024, 2024-2025 Session)
3.	Convener	Chemistry Quiz-2021 (for UG and PG Students)	21 Dec. 2021. Hall A & B, LSM GPGC Pithoragarh, Uttarakhand

4.	Convener	An Awareness Quiz on Symbol of Knowledge Bharat Ratna Babasaheb Dr. Bhim Rao Ambedkar	14-15 April 2022. IQAC and Carrer Counselling Cell, LSM GPGC, Pithoragarh.
5.	Coordinator	Intellectual Property Rights	11 April 2022 Intellectual Property Office Ministry of Commerce and Industry, Govt. of India
6.	<b>Coordinator</b>	<b>Women Empowerment Seminar</b>	01 June 2022 at Department of Chemistry, LSM Campus Pithoragarh
7.	Coordinator	Concept Test in Chemistry (CONTECH) 2022-23	05 November, 2022 at LSM Campus Pithoragarh, Uttarakhand
8.	<b>Resource Person (Invited Lecture)</b>	<b>A Seminar on Constitution Day</b>	26 December 2022 at LSM Campus Pithoragarh organized by Nehru Yuva Kendra
9.	Coordinator	Concept Test in Chemistry (CONTECH) 2023-24	18 December, 2023 at LSM Campus Pithoragarh, Uttarakhand
10.	Co- Convener	A Seminar on Vision for Vikshit Bharat	06 August 2024 at Department of Chemistry, LSM Campus, Pithoragarh
11.	<b>Resource Person (Invited Lecture)</b>	<b>Role Model Interaction Programme and POCSO Act Lecture</b>	22 August 2024 at Jawahar Navodaya Vidyalaya, Pithoragarh
12.	Convener	A Seminar on World Democracy Day	15 September 2024 at LSM Campus, Pithoragarh
13.	<b>Convener</b>	<b>Books Awareness Program for Campus Undergraduate students</b>	12 to 14 August 2024 at Book bank, LSM Campus, Pithoragrah

#### 17. Symposia/Seminars/Conferences:

- **Oral/Poster Presentation:**

- ✓ National Conference on “Empowering Innovative Science & Technology for Indigenous Development of Uttarakhand: Dimensions and Challenges” organized by faculty of Science, Rajkiya Mahavidyalaya Chinyalisaur, Uttarkashi on dated 02<sup>nd</sup> March 2023. *Title: Synthesis, Characterization, Catalytic and Antimicrobial activity of Silver nanoparticles using Skimmia anquetilia.*
- ✓ International E-Conference on Sustainable and Futuristic Materials (SFM-2021) held during 29-30th November, 2021 organized by International Research Center and Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil, Department of Chemistry, J. M. Patel Arts, Commerce & Science College, Bhandara, and Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur. *Title: Catalytic and Biological Applications of Synthesized Copper Nanoparticless using Psidium Guajava.*
- ✓ International conference on “Recent trends in drug discovery and development” organized by Department of Chemistry, Maitreyi College, University of Delhi, Chanakyapuri, New

Delhi during 08-09 October, 2021. Title: *Metal nanoparticles of Cassia occidentalis and their potential for therapeutic use.*

- ✓ National Conference on Nanotechnology and Renewable Energy (NCNRE) organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi during April 28-29, 2014. Title: *Bioactivity and Green Synthesis of Silver Nanoparticles using Skimmia anquetilia Stem Extract.* (**Best poster**)
- ✓ National Seminar on “*Emerging Trends in Chemical Sciences*” organized by Marwar business school, Naseerabad, DDU, Gorakhpur during 11 March, 2014. Title: *Green Synthesis, Biological evaluation of silver nanoparticles using Calotropis procera leaf extract and its application in catalysis.*
- ✓ International Conference on “*Chemistry: Frontiers and Challenges*” organized by Department of Chemistry, Aligarh Muslim University, Aligarh during 2-3 march, 2013. Title: *Chemical investigation of the flowers of Calotropis procera (Ait.) R. Br.*
- ✓ International Conference on “*Second Conference on Nanotechnology for Biological and Biomedical Applications (Nano-Bio-Med 2013)*”, organized by The Abdus Salam International Centre for Theoretical Physics (ICTP), **Miramare-Trieste, Italy** during 14-18 October 2013. Title: *Green Synthesis, Characterization and Antioxidant activity of metal nanoparticles from plant extracts.*
- ✓ “*8<sup>th</sup> Uttarakhand State Science & Technology Congress-2013*” organized by Doon University, Dehradun, Uttarakhand during 26-28 December, 2013. Title: *Green synthesis, Characterization and Biological activity of Silver Nanoparticles from Calotropis procera.*
- ✓ “*4<sup>th</sup> Uttarakhand State Science & Technology Congress-2009*” organized by G.B. Pant University of Agri. & Tech., Pantnagar, Uttarakhand during 10-12 November, 2009. Title: *Skimmia anquetilia N.P. Taylor & Airy Shaw: Essential oils Composition from Flowers and Leaves and their antibacterial, antioxidant and antifeedant activity.*
- **Seminar attended:**
  - ✓ National Conference on “*Recent developments in Chemistry and Chemical education*” during 16-17<sup>th</sup> December, 2011 organized by Department of Chemistry, H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand.
- **Webinar attended:**
  - ✓ National webinar organized by Department of Chemistry, J.M. Patel Arts, Commerce & Science College, Bhandara during 21-22 January, 2022. Title: *Green Chemistry For Sustainable Future.*
  - ✓ International webinar organized by Association of Chemistry Teachers (ACT) C/o Homi Bhabha Centre for Science Education (TIFER) Mumbai in Collaboration with Department of Chemistry, Madhav Science PG College, Ujjain, India and Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur, India during 9<sup>th</sup> June, 2020. Title: *Material Science (IWMS-2020).*
  - ✓ National webinar organized by Jawaharlal Nehru University during 9-10 June, 2020. Title: *Nanoscience and Nanotechnology in the present scenario.*
  - ✓ International webinar organized by department of Chemistry, GBPUA&T, Pantnagar during 15-17 June, 2020. Title: *Modern Analytical methods in Chemistry.*
  - ✓ International e-Conference organized by Department of Chemistry, Ram Ratan Singh College, Mokama, Patana (A Constituent Unit of Patliputra University, Patna) during 22-23 June, 2020. Title: *Advanced and Innovative Materials for Sustainable Future-2020.*
  - ✓ National Chemistry Webinar organized by department of Chemistry, Indira Priyadarshini Govt. Girls post Graduate College of Commerce, Haldwani during 24 July, 2020. Title: *“Role of Nuclear Magnetic Resonance Spectroscopy in Structure Determination and Beyond”.*

- ✓ *National webinar* organized by Department of Chemistry and Internal Quality Assurance Cell (IQAC) of GE Society's RNC Arts, JBD Commerce and NSC Science College, Nashikroad, Nashik in collaboration with Association of Chemistry Teachers (ACT), Mumbai and Perkin Elmer Informatics through SCUBE Scientific Software Solutions Pvt. Ltd., New Delhi during 23<sup>rd</sup> July 2020. *Title: Features of Chemdraw and Greener Aspects of Drug Discovery.*
- ✓ National webinar organized by A.P.B. Govt. PG College Agastyamuni (Rudraprayag) during 10<sup>th</sup> April, 2021. Title: "Career Advancement Scheme (CAS)".

#### **18. Computer and Technical Skills:**

- ✓ *Operating Systems* : Windows, MS-DOS
- ✓ *Computer Applications* : Chem Draw, ISIS Draw, Image J, Origin, Scifinder Scholar, MS-Office etc.
- ✓ *Language Known* : Fortan

#### **19. Country Visited:**

- ✓ Italy

#### **20. Extra-Curricular Activities / Development Programmes:**

- ✓ National Service Scheme (N. S. S.) A & B Certificates during 2004-2007 from K.L. D.A.V (P.G.) College, Roorkee, Uttarakhand.
- ✓ Organizer of Gandhi Utsav, 2007 organized by Gandhi Bhawan, G.B. Pant University of Agri. & Tech., Pantnagar, Uttarakhand.
- ✓ Assisted Prof. Geeta Joshi nee Pant to organized National level Chemistry Test for undergraduate students conducted by Homi Bhabha Centre for Science Education (HBCSE), TIFR, Bombay during 1<sup>st</sup> December 2012 at Department of Chemistry, H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand.

#### **21. Affiliation to Professional Bodies**

- ✓ Life Time member of Association of Chemistry Teachers with membership no. 2408 effect from 16/02/2022.
- ✓ Life Time member of Education Research And Development Association (ERDA) with membership ID: ERDA/INLM/165/1122 with effect from 01/11/2022.

#### **22. References:**

Name	Postal Address	Phone	E-mail
<b>Prof. (Dr.) Geeta Joshi nee Pant</b> (Professor)	Department of Chemistry, H.N.B. Garhwal University (A Central University), Srinagar Garhwal-246174 (Uttarakhand), India	+91-9410536197 (Mob.)	geeta.joshi4@gmail.com
<b>Prof. (Dr.) K. Singh</b> (Professor & Former Dean)	School of Physical Sciences, Jawaharlal Nehru University, New Delhi-110067	+91-11- 26738934 (O) +91-9450574942 (Mob.)	kedar@mail.jnu.ac.in
<b>Prof. (Dr.) P. P. Solanki</b> (Professor)	Department of Chemistry, Centre of Advanced Study, Institute of Science, Banaras Hindu University, Varanasi-221005	+91-5426702469 (O), +91-9453361476 (Mob.)	ppsolanki@bhu.ac.in

**23. Declaration:**

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

**Place:** Kashipur

Yours truly,

A handwritten signature in black ink, appearing to read 'M Gondwal', with a circular mark around the first letter 'M'.

**Date:** Feb. 10, 2025

**(Dr. Manjul Gondwal)**  
**Assistant Professor**  
**Department of Chemistry**  
**Radhey Hari Government PG College,**  
**Kashipur**