

Name: Mrs. Chandrakala Singh

Date of Birth: 06/12/1988

Designation: Assistant Professor

Department of Chemistry
Higher Education Uttarakhand
Radhe Hari Govt. P. G. College Kashipur,
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Father's Name: Udai Pratap Narayan Singh

Mother's Name: Vimala Singh

Spouse Name: Vinit Kumar Singh

Marital Status: Married

Kids Name: Aditya Pratap Singh(Son)

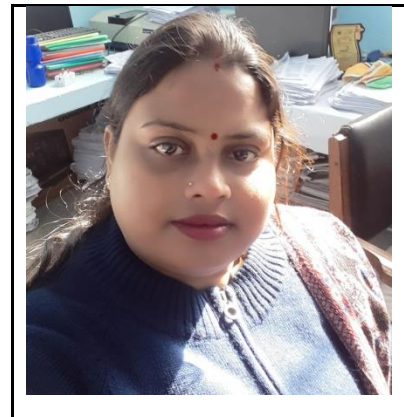
Permanent Address: Bandiya, Nahar par, Near Airtel Tower Ward no-04 Post: Kichha, District:
Udham Singh Nagar, Uttarakhand, India, 263148

Academic Qualification:

- **B.Sc./ M.Sc** in the year 2009 and 2011 from Deen Dayal Upadhyay Gorakhpur University, Gorakhpur
- Ph.D. (pursuing) in Chemistry
- **Thesis Title: "Design and Development of Some New Biomimic Schiff Base Complexes of First Transition Metal Series"**

Achievements:

- Qualified **CSIR-UGC NET in December 2013 (43 rank)**. One of the reputed examinations conducted by Joint CSIR-UGC autonomous Govt Body.
- Qualified **U-SET in July 2012**. Examination Conducted by Kumaun University Nainital.



PUBLICATIONS:

Research Paper:

1. C. Singh, **D. Adhikari**, and B. K. Singh, "Synthesis, Spectro-thermal characterization, DFT calculations and biochemical evaluation of a newly synthesized tridentate Schiff base transition metal complexes," *Polyhedron*, vol. 259, p. 117050, may. 2024, doi.org/10.1016/j.poly.2024.117050.
2. Singh, C., **Adhikari, D.**, Singh, B. K., & Tiwari, M. (2024). Synthesis, characterization, DFT computational studies and biological activity of transition metal complexes derived from 4-(((6-nitrobenzo [d] thiazol-2-yl) imino) methyl) benzene-1, 3-diol. *Journal of Coordination Chemistry*, 77(17-19), 2252-2278, doi.org/10.1080/00958972.2024.2419419.
3. C. Singh, **Devjani Adhikari**, and B. Singh, "Versatile Applications of Transition Metal Complexes Incorporating Schiff Bases: A Review," August 2023, IJIRT Volume 10, Issue 3, ISSN: 2349-6002

Book Chapters:

1. Devjani Adhikari, **Chandrakala Singh**, **Footprints of Covid-19 on Education**, p.no.27, Book title: Changing Scenario of Education: Challenges & Solution (Covid-19) (2020), Publisher: Ishika Book Distributors, Agra, ISSN/ISBN No. 978-93-87697-83-6.
2. Devjani Adhikari, **Chandrakala Singh**, **An Overview of the Medicinal Value of Rheum Emodi**, p. no. 19-29, Book title: Ecology & Biodiversity of Himalaya (2023), Publisher: Nikhil Publishers & Distributors, Agra, ISBN: 978-93-5552-393-8.
3. Devjani Adhikari, **Chandrakala Singh**, **Green Chemistry: A Boon to Chemical Science**, P. No. 19-30, Book title: Environment & Sustainable Development (2023), Publisher: Bharti Publications, New Delhi-110002, ISBN: 978-81-19079-67-4.
4. **Chandrakala Singh & Devjani Adhikari***, **The Effect of Climate Change across the Himalayan Regions of Gharwal and Kumaon, Uttarakhand**, P. No. 79-91, Book Title: Teacher and Environmental Education (2024), Publisher: Nikhil Publishers & Distributors, Agra, ISBN: 978-93-5552-865-0.

5. Devjani Adhikari & **Chandrakala Singh***, **Climate Change Impacts on Aquatic Ecosystems**, P. No. 67-78, Book Title: Teacher and Environmental Education (2024), Publisher: Nikhil Publishers & Distributors, Agra, ISBN: 978-93-5552-865-0.
6. Devjani Adhikari & **Chandrakala Singh**, **Uttarakhand Forest Era during the British Empire (1815 AD-1947AD)**, p.no. 379-383, Book title: "कुमाऊं में आजादी के जन नायकों की शौर्य गाथा", Publication House: समय साक्ष्य, देहरादून, ISBN number: 978-81-979537-9-8.

Paper Presented in Conference:

- ❖ **Chandrakala Singh**, “E-learning-Boon in COVID DAYS” **National conference** on वर्तमान वैश्विक परिदृश्य (कोविड -19)में शिक्षा, साहित्य और समाज की भूमिका, held on 07-08 June 2020 in **online mode** at Janta Vedic College, Baraut (Baghpat),UP.
- ❖ **Chandrakala Singh**, “Yoga is life line in corona days” **International conference** on महामारी और मानसिक स्वास्थ्य संबंधी समस्याएं और समाधान held on 28 June 2020 in **online mode** at Janta Vedic College, Baraut (Baghpat),UP.
- ❖ **Chandrakala Singh**, महिला सशक्तीकरण में शिक्षा की भूमिका, **State conference** on महिला: शिक्षा, सुरक्षा और सम्मान, held on 08 March 2021 at L. S. M. Govt. P. G. College Pithoragarh.
- ❖ **Chandrakala Singh**, “Ground Water Depletion in Uttarakhand india; Causes and its Implications” **International conference** on Climate Change Conference on control of Green House Gasses at the Source by Physical and Chemical Technologies held on 22-24 April 2022 at Babasaheb Bhimrao Ambedkar University Lucknow.
- ❖ **Chandrakala Singh^{1*}**, Devjani Adhikari¹, Bibhesh K Singh² “**Development of Some new Schiff base transition metal complexes and its application**” **National Conference** on “Empowering Innovative Science and Technology for Indigenous Development of Uttarakhand: Dimensions and Challenges” Sponsored on March 2, 2023 by UCOST, Organised by Faculty of Science Rajkiya Mahavidyalaya Chinyalisaur Uttarkashi.

- ❖ **Chandrakala Singh*1, Bibhesh K. Singh2 “New development in transition Metal Schiff base complexes” International Conference** on “Advancement in Physical Sciences: Promoting Societal Welfare, Sustainable” Organized by Faculty of Science, Sridev Suman Uttarakhand University, Pandit Lalit Mohan Sharma Campus Rishikesh (Uttarakhand) India on September 15-16, 2023.

Orientation/Refresher/Research Methodology Course/Workshop:

- ❖ Faculty Development Programme, Teaching Learning Centre Ramanujan College, University of Delhi, 23-29 June, 2020, Ministry of Human Resource Development, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching.
- ❖ Faculty Development Programme “ADVANCED CONCEPTS FOR DEVELOPING MOOCS”, Teaching Learning Centre Ramanujan College, University of Delhi, 02-17 July, 2020, Ministry Of Human Resource Development, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching.
- ❖ Orientation, Teaching Learning Centre Ramanujan College, University of Delhi, 18May-17June 2021, Ministry of Human Resource Development, Pandit Madan Mohan Malaviya, National Mission on Teachers and Teaching.
- ❖ National Online Workshop on Ancient Indian Science & Technology (AIST 2021), National Institute of Technology Jamshedpur, India, 05-10 July 2021, Ministry of Human Resource Development.
- ❖ National Workshop on Invest in Our Planet to Restore It (IPRI-2022), L.S.M. Govt. P.G. College Pithoragarh, Soban Singh Jeena University, Almora, 22-28 April 2022.
- ❖ Virtual International One-week Faculty Development Programme (Research Methodology), Amar Sewa Mandals Kamla Nehru Mahavidyalay, Nagpur, 02-07 May 2022, Amar Sewa Mandals.
- ❖ Virtual National One-week Faculty Development Programme (ICT Tools for Effective Teaching Learning), Amar Sewa Mandals Kamla NehruMahavidyalay, Nagpur, 23-28 May 2022, Amar Sewa Mandals.
- ❖ Refresher Course, UGC-HRDC Kumaun University Nanital, Uttarakhand, 08-22 July2022, UGC-HRDC.
- ❖ Short-Term FDP (Implementation of NEP-2020 for University and College Teachers), Indra Gandhi National Open University, New Delhi, 27 Oct.- 05 Nov.2022, UGC.

Organising seminars/ conferences/ workshops, other college/ university activities:

- ❖ National Webinar Series “On Practicing Chemdraw, Origin and Mendeley Tools in Research”, as Organizing Member, 08-08-2020 to 10-08-2020.
- ❖ National Webinar on “Intellectual Property Right” Under Azadi ka Amrit Mahotsav Collaboration with NIPAM, as Coordinator, 11-04-2022

Area of Interest: Schiff base Transition Metal Complexes.

Skills and Expertise: Coordination Chemistry, Organometallic, Bioinorganic and Group Theory.

Memberships: Life membership of Association of Chemistry Teachers (ACT)

Teaching Experience: PG/UG: 10 years

DECLARATION

I hereby declare that the information furnished above is true to the best of my acknowledgement.

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