

CURRICULUM VITAE

Personal Particulars

Name: Dr Sonika Khajuria

Designation: Assistant Professor

Subject: Chemistry

Area of Specialization: Inorganic Chemistry

College: Govt. College for Women, Gandhinagar, Jammu

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Ph. No.: 9622326900

Academic/Professional Qualification

Name of the Examination	Board/university	Subject	Year of passing	Division/Merit
10th	JKBOSE	Eng, Hindi, Math, Science, S.ST	2001	Distinction
12th	JKBOSE	Medical stream	2003	Distinction
B.SC	University of Jammu	Medical Stream	2006	Distinction
M.Sc	University of Jammu	Chemistry	2008	Ist Division
B.Ed.	University of Jammu		2010	Ist Division
NET	CSIR	Chemical Sciences	2013	AIR-46
JKSET	University of Kashmir	Chemical Sciences	2014	

Research Experience

Research stage	Title of Thesis	University where the work was carried out	Year
M.Phil	Studies on complexes of transition metals with dithiocarbamate and their adducts with some nitrogen bases	University of Jammu	2011
Ph.D	Synthesis and characterization of some transition and inner transition metal sulphide nanoparticles	University of Jammu	2016

Teaching Experience

Name of the courses taught	University/ college/ Institute	Duration
UG Courses (B.Sc and B.Sc Honours)	Govt. College for women, Gandhinagar, Jammu	05.06.2017 to till date

Refresher course attended

S.No	Year	Title of the Course	Date	Organised by
1.	2021	UGC sponsored Refresher course in chemistry.	03-03-2021 to 16-03-2021	Organised by UGC Human Resource Development centre, University of Jammu

Orientation Course attended

S.No	Year	Title of the Course	Date	Organised by
1.	2017	Induction Training Program	10-04-2017 to 29-04-2017	Govt. College of Education, Canal Road, Jammu
2.	2020	Four weeks Orientation programme for faculty in universities/colleges/Institutes of Higher Education.	04-06-2020 to 01-07-2020	Organised by TLC Ramanujan College, University Of Delhi sponsored by Ministry of Human Resource Development (PMMMNMTT)

Faculty Development Programs

S.No	Year	Title of the Course	Date	Organised by
1.	2020	Two weeks FDP on Advanced Concepts for developing MOOCs.	02-07-2020 to 17-07-2020	Organised by TLC Ramanujan College, University Of Delhi sponsored by Ministry of Human Resource Development (PMMMNMTT)
2.	2020	Five days FDP in Emerging Technologies based upon Digital Teaching system.	27-01-2020 to 31-01-2020	Conducted by Ministry of Electronics and information technology, GoI at NIELIT, Jammu.
3	2022	Four days online FDP on ICT based learning Management System for Effective Teaching in Higher Education	07-03-2022 to 10-03-2022.	Organised by Department of Computer Science, Govt. SPMR College of Commerce in collaboration with DST, Jammu.
4.	2022	One week FDP on ICT tools for Effective	23-05-2022 to	Organised by Amar Sewa Mandal's Kamla Nehru

		Teaching and Learning.	28-05-2022	Mahavidyalaya, Nagpur Maharashtra.
5.	2022	International one week FDP on Research Methodology	02-05-2022 to 07-05-2022	Organised by Amar Sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur Maharashtra.

Conferences attended

S.No	Year	Title of the Course	Date	Organised by
1.	2017	National conference on skill enhancement courses and employment generation	19-12-2017	Organised by Department of chemistry, GDC Kathua, J&K.
2.	2018	Intercollege Debate competition	09-10-2018	Organised by Department of chemistry, Govt. College for Women Gandhinagar, Jammu
3.	2019	6 th J&K women science congress	26-02-2019 to 28-02-2019	Organised by Govt. College for Women Gandhinagar, Jammu
4.	2019	Inter College seminar on Impact of internet on Social Development	13-11-2019	Organised by Department of chemistry, Govt. College for Women Gandhinagar, Jammu
5.	2020	Five Days Online training Course on SWAYAM & MOOCS	05-08-2020 to 09-08-2020	Organised by IQAC, GDC Bhadarwah, J&K.
6.	2021	Two Days Virtual National Conference on Climate change-Greatest threat to humanity	21-09-2021 to 22-09-2021	Organised by Department of Chemistry, Govt College for Women Gandhinagar in collaboration with supported by J&K State Science, Technology & Innovation Council, DST, Jammu.
7.	2022	International conference on Emerging Biomaterials for Advanced applications	21-04-2022 to 22-04-2022	Organised by Department of Physics and Department of Chemistry, Periyar University, Salem, Tamil Nadu.
8.	2019	J&k Science Teachers congress	25-03-2019 to 27-03-2019	Organised by GGM Science College supported by J&K State Science, Technology & Innovation Council.

Workshops attended

S.No	Year	Title of the Course	Date	Organised by
1.	2018	Two days national workshop on Advances	11-01-2018 to	Organised by Department of Electronics, university Of

		in Interdisciplinary Sciences.	12-01-2018	Jammu in collaboration with IEE EDS, Delhi Chapter and IETE jammu centre.
2.	2023	National Workshop on Intellectual property Rights	20-01-2023	Intellectual property office and MOE's Innovation Cell, GOI, Faculty Induction Development cell and School of Business studies, Central university of Jammu, J&K.

Publication Details

1. Synthesis, characterization and optical properties of cobalt and lanthanide doped CdS nanoparticles
Sonika Khajuria, Sumit Sanotra, Jigmet Ladol and Haq Nawaz Sheikh *J Mater Sci: Mater Electron* (2015) 26, 7073.
(Impact factor **2.779**, ISSN 0957-4522 DOI 10.1007/s10854-015-3328-1.)
2. Sacrificial template synthesis and characterization of photoluminescent silver sulfide nanochains
Sonika Khajuria, Sumit Sanotra, Heena Khajuria and Haq Nawaz Sheikh *Monatshefte für Chemie* (2016) **147**, 665.
(Impact factor **1.613**, ISSN 0026-9247 DOI 10.1007/s00706-015-1516-6.)
3. Green hydrothermal synthesis and optical properties of γ -Gd₂S₃ nanoparticles
Sonika Khajuria, Jigmet Ladol, Sumit Sanotra and Haq Nawaz Sheikh, *Applied Nanoscience* (2016) **6**, 653.
(Impact Factor: **3.869**; DOI 10.1007/s13204-015-0478-7.)
4. Synthesis, Structural and Optical Characterization of Copper and Rare Earth doped CdS nanoparticles
Sonika Khajuria, Sumit Sanotra, Heena Khajuria, Anuraag Singh and Haq Nawaz Sheikh *Acta Chim. Slov.* (2016) **63**, 104.
(Impact factor **1.524** DOI: 10.17344/acsi.2015.1991)
5. Surfactant Assisted Sonochemical Synthesis and Characterization of Gadolinium Doped Zinc Oxide Nanoparticles
Heena Khajuria, Jigmet Ladol, Rajinder Singh, **Sonika Khajuria** and Haq N. Sheikh *Acta Chim. Slov.* (2015) **62**, 849.
(Impact factor **1.524** DOI: 10.17344/acsi.2015.1558)
6. Surfactant mediated hydrothermal synthesis, characterization and luminescent properties of GdPO₄: Ce³⁺/Tb³⁺ @ GdPO₄ core shell nanorods
Heena Khajuria, Jigmet Ladol, **Sonika Khajuria**, Mohd Syed Shah, H.N. Sheikh *Materials Research Bulletin* (2016) **80**, 150.
(Impact factor **5.6**, Online ISSN: 1873-4227)
7. Hydrothermal synthesis, characterization and luminescent properties of lanthanide-doped NaLaF₄ nanoparticles
Jigmet ladol, Heena khajuria, **Sonika khajuria**, Haq nawaz sheikh, *Bull. Mater. Sci.*, (2016) **39**, 943.
(Impact factor **1.878**, Online ISSN: 0973-7669)

8. Hydrothermal synthesis, crystal structure and characterization of new coordination polymer $[\text{Co}_2(\text{pydc})_2(\text{H}_2\text{O})_6]_n \cdot 2n\text{H}_2\text{O}$
Sumit Sanotra, Rimpay Gupta, **Sonika Khajuria**, Haq Nawaz Sheikh and Bansi Lal Kalsotra *Journal of Inorganic and Organometallic Polymers and Materials* (2013) **23**, 897.
(Impact factor **3.518**, Online ISSN: 1029-0389)
9. Hydrothermal synthesis, crystal structure and characterization of novel coordination polymer $[\text{Na}_2(\text{H}_2\text{O})_8\text{Cu}(\text{pydc})_2]_n$
Sumit Sanotra, Rimpay Gupta, **Sonika khajuria**, Haq Nawaz Sheikh, Bansi Lal Kalsotra, Vivek K. Gupta and Rajnikant, *Monatshefte fur Chemie* (2014) **145**, 447.
(Impact factor **1.613**, Online ISSN: 1434-4475)