

CURRICULUM VITAE

Name : Dr. Reetu Sangwan
D.O.B.: 02/02/1990
Nationality : Indian
Marital Status : Married
Address : SS-440, SEC- C1, LDA COLONY,
KANPUR ROAD, HIND NAGAR,
LUCKNOW (U.P.)-226012
Mobile No.: 8840436991, 8393833256
E-Mail: ritnikrana@gmail.com



OBJECTIVES

To associate with multi-dynamic institute, which may provide a platform to update my knowledge & skills in accordance with latest trends in teaching along with research that follows a tradition of anticipating & leading changes.

ACADEMIC QUALIFICATIONS

- 2014-2020: **Ph.D.** (Organic Chemistry)
Thesis Title: “*Synthesis and biological evaluation of analogs of biologically active heterocycles*”.
Department of Chemistry, University of Lucknow, Lucknow.
- 2010-2012: **Master of Science:** Organic Chemistry, Ch. Charan Singh University, Meerut, 76%.
- 2009-2010: **Post Graduate Diploma in Chemo-informatics:** Jamia Hamdard, Hamdard University, New Delhi, 76%
- 2006-2009: **Bachelor of Science:** Zoology, Botany, and Chemistry. Ch. Charan Singh University, Meerut, 64%
- 2004-2006: **Intermediate:** J. L. M. Girls Inter College, Muradnagar, Ghaziabad, 73%
- 2004: **Highschool:** S. M. High School, Noorpur, Ghaziabad, 67%

ACHIEVEMENTS/AWARDS

- 2013: **GATE** in Chemistry with A.I.R. 1043
- 2013: **Junior research fellowship (CSIR - NET JRF) June 2013** in chemical science with A.I.R. 055.

2012: **Eligibility for Lectureship (NET) Dec 2012** in chemical science with A.I.R. 047

2018: **2nd Prize for Poster Presentation** in National Conference held in RIE Ajmer.

TECHNICAL SKILLS

Chemistry Software: Computational chemistry, Chemdraw, GaussView 5.0, Gaussian 03W, Origin 6.0.

Computer proficiency: Software Engineering diploma course from APTECH.

Instrumentation Techniques: NMR, UV and FTIR spectroscopy.

TEACHING EXPERIENCES

1. Assistant Professor (Contractual) at **Bappa Shri Narain Vocational P.G. College (KKV), Lucknow, U.P., India, from 23rd Nov 2022** till date.
2. **2016-19:** Taught B.Sc. Classes at Department of Chemistry, University of Lucknow, Lucknow.

MEMBERSHIPS

1. Association of Chemistry Teachers (ACT)
2. The Indian Science Congress Association (ISCA)

RESEARCH & PUBLICATIONS

1. Saini M., **Sangwan R.**, Khan M.F., Kumar A., Verma R., Jain S., Specioside (SS) & verminoside (VS) (Iridoid glycosides): isolation, characterization and comparable quantum chemical studies using density functional theory (DFT), *Heliyon*, 5, 2019, e01118.
2. Saini M., Khan M.F., **Sangwan R.**, Khan M.A., Kumar A., Verma R., Tanveer Ahamad T., Jain S., Design, Synthesis and *In-Vitro* Antitumor Activity of Lupeol Derivatives via Modification at C-3 and C-30 Positions, *ChemistrySelect*, 4, 2019, 1800–1805.
3. Pandey S.K., Khan Mohd F., Awasthi S., **Sangwan R.**, Jain S., A quantum theory of atoms-in-molecules perspective and DFT study of two natural products: trans-communic acid and imbricatolic acid, *Aust. J. Chem.*, 70 (2), 2016, 328e337.
4. Jain S., Verma R., **Sangwan R.**, Khan Mohd F., Saini M., Kumar A., Isolation of clerodin from clerodendrum infortunatum with theoretical studies (aim and dft) of clerodin (cld) and deacetylclerodin (dcl), *Journal of Emerging Technologies and Innovative Research (JETIR)*, 6 (6), 2019, 156-176.

5. **Sangwan R.,** Saini M., Verma R., Kumar S., Banerjee M., Jain S., Synthesis of 1,8-dioxooctahydroxanthene derivatives using ionic liquids, quantum chemical studies and anticancer activity, *Journal of Molecular Structure*, 1208, 2020, 127786.
6. **Sangwan R.,** Jain S., Synthesis of Bisdimedone Derivatives and Quantum Chemical Studies of 2,2'-[(2,3,4-trimethoxyphenyl)methylene]bis(3-hydroxy-5,5-dimethylcyclohex-2-enone), *G P globalize research journal of chemistry*, 5(1), 2021, 1-17.

List of International/National Conferences/Symposia Attended

1. Poster presented in “National Conference on RAICS-2K18” at Shri Ramswaroop Memorial University, Lucknow from 2-3rd November 2018.
2. Poster presented in “National Conference on New Trends in Research and Education in Chemical Sciences” at RIE, Ajmer from 25-27 October 2018.
3. Poster presented in conference on “Science and Technology for prosperous federal Nepal, NAST” at Mahendranagar, Nepal from 21-22 May 2018.
4. Poster presented in 105th Indian science Congress “Reaching the Unreached Through Science & Technology” at Manipur university, Imphal from March **16 to 20, 2018**.
5. Poster presented in “International Conference on “nanoscience and nanotechnology (ICNN)-2017” at Babasaheb Bhimrao Ambedkar University, Lucknow, (U.P.) from **September 22 – 24, 2017**.
6. Poster presented in “International Conference on Recent Advances in Material and Chemical Science” on Phytochemical Analysis of Timru Powder (*Zanthoxylum alatum*) Traditionally Used In Fish Festival Aglar River, Tehri Garhwal, Uttarakhand India at Bundelkhand University, Jhansi (U.P.) from **March 2 – 5, 2016**.
7. 103rd Indian science Congress “Science and Technology for Indigenous Development in India” at university of Mysore, Mysuru from **January 3 to 7, 2016**.
8. Poster presented in “National Symposium on Innovative Methods in Chemistry Education [IMCE-2015] & National Convention of Chemistry Teachers [NCCT-2015]” on Phytochemical Analysis of Timru Powder (*Zanthoxylum alatum*) and Structure determination of isolated compound (+)-Asarinin, at university of Lucknow, Lucknow, from **October 8-10, 2015**.
9. Workshop on “Intellectual Properties Rights : Issues & Challenges” by Indira Gandhi National Open University, & University of Lucknow, Lucknow, at Malviya Hall, University of Lucknow, Lucknow on **July 21 , 2015**.
10. Workshop on “Protein structure Prediction and Computer-aided Drug Designing at Centre of Excellence in Bioinformatics (COEBI), Bioinformatics Infrastructure Facility (BIF), Department of Biochemistry, University of Lucknow, Lucknow, from **July 24-25, 2015**.

11. Workshop on “Business Opportunities in Essential Oils, Fragrance & Flavour” by MSME-Technology Development Center Fragrance And Flavour Development Center (FFDC), Kannauj at Biotech Park, Lucknow held on **May 27, 2015**.

REFERENCES

1. **Dr. Sudha Jain**, Former Head & Professor, University of Lucknow, Lucknow. Jainsudha2954@gmail.com, 9415022777.
2. **Prof. Abha Bishnoi**, Professor, University of Lucknow, Lucknow. abhabishnoi5@gmail.com, 9415028822.

DECLARATION

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

Place: LUCKNOW

Dr. Reetu Sangwan