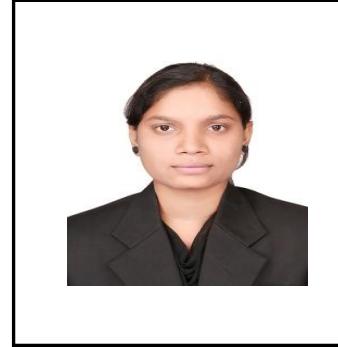


CURRICULAM VITAE

Dr. Yamini Thakur

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Contact No. 8982066909, 9907193288

PERSONAL DETAILS

Father's Name : Dr. N. Thakur
Mother's Name : Mrs. Maya Thakur
Date of Birth : 20th August 1990
Gender : Female
Marital Status : Unmarried
Languages Known : English, Hindi, Local language

ACADEMIC PROFILE

Exams	School/College Name	University/ Board	Subject	Passing Year	Percentage /Grade
Ph.D.	S.O.S. in Chemistry	Pt. R.S.U. Raipur (C.G.)	Chemistry	2019	Awarded
M. Phil.	S.O.S. in Chemistry	Pt. R.S.U. Raipur (C.G.)	Chemistry	2014	76.40*
M.Sc.	S.O.S. in Chemistry	Pt. R.S.U. Raipur (C.G.)	Chemistry	2013	74.58**
B.Sc.	Govt. N. C. J. College, Dalli Rajhara	Pt. R.S.U. Raipur (C.G.)	Chemistry, Botany, Zoology, F.C.	2011	73.61***
Higher Secondary	Sr. Sec. School, Rajhara Mines	C.B.S.E.	Chemistry, Biology, Physics, Hindi, English	2008	64.40
High School	Nirmala English Medium School, Dalli Rajhara	C.B.S.E.	Maths, Science, Social Sc., English, Hindi	2006	67.00

***3rd Position in Merit List of M. Phil. (Chemistry) 2014**

****10th Position in Merit List of M.Sc. 2013**

*****9th Position in Merit List of B.Sc. 2011**

ACHIEVEMENTS

- **Qualified M.Phil Entrance Examination 2013 with merit.**
- **Rajiv Gandhi National Junior Research Fellow 2014**
- **CSIR-NET (LS) June 2017 & December 2017 Chemical Sciences**
- **CG-SET 2017, Chemical Science**

RESEARCH WORK

M.PHIL.: RNA Binding Efficacy of N- Phenylbenzohydroxamic acid.

Ph.D. : Bio-Macromolecules Targeted Hydroxamic Acid Metal Chelators : Chemical Biology Techniques And Applications

YOUNG SCIENTIST AWARDS

1. **Indian Council of Chemist, “Young Scientist Award” - 2017, Vishakapatnam, India.**
2. **22nd Chemical Research Society of India, Royal Society of Chemistry Award -2018, Raipur, Chhattisgarh, India.**

RESEARCH PAPER PUBLISHED/COMMUNICATED

- 1. Exploring the DNA Binding Efficacy of Cobalt(II) and Copper(II) Complexes of Hydroxamic Acids and explicating their Anti-Cancer Propensity**
Yamini Thakur, Mamta Tripathi, Rainy Agrawal, Mohammad Khurseed Siddiqi, Rubi Khilari, Bharati Verma, Eli Mohapatra, Rizwan Hasan Khan and Rama Pande,
Journal of Molecular Structure, 1197 (2019) 691-706.
- 2. New Insight Into The DNA Binding Studies, *In-Vitro* Anti-Cancer Activity and Molecular Modelling of Dioxo Complexes of Molybdenum(VI) and Tungsten(VI) Hydroxamic Acids**
Yamini Thakur, Mamta Tripathi, Bharati Verma, Rubi Khilari, Rainy Agrawal, Likheshwari, Rama Pande and Eli Mohapatra
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, 54(4), 2019, 1-18.
- 3. Interaction of Cobalt(II) and Copper(II) Hydroxamates with Polyriboadenylic Acid: An Insight Into RNA Based Drug Designing**
Yamini Thakur, Mamta Tripathi, Bharati Verma, Rubi Khilari, Rainy Agrawal, Likheshwari, Mohammad Khurseed Siddiqi, Rama Pande, Eli Mohapatra and Rizwan Hasan Khan
Nucleosides, Nucleotides and Nucleic Acids, 38(7), 2018, 1-28.
- 4. Elucidating the Binding Propensity of Naphthyl Hydroxamic Acid to Human Serum Albumin (HSA): Multi-Spectroscopic and Molecular Modeling Approach**
Rainy Agrawal, Yamini Thakur, Mamta Tripathi, Mohammad Khurseed Siddiqi, Rizwan Hasan Khan and Rama Pande
Journal of Molecular Structure, 1184, 1-11, 2019.
- 5. Explication of Bovine Serum Albumin Binding with Naphthyl Hydroxamic Acids by Multi-Spectroscopic and Molecular Docking Approach Along with its Antioxidant Activity**
Rainy Agrawal, Mohammad Khurseed Siddiqi, Yamini Thakur, Mamta Tripathi, Ashish K. Asatkar, Rizwan Hasan Khan and Rama Pande
Luminescence, (2019) 1–16.
- 6. N-Arylhydroxamic Acids As Drug Like Molecule: A Motif of Binding Mode With Calf Thymus DNA**
Bharati Verma, Yamini Thakur, Mamta Tripathi, Rubi Khilari and Rama Pande
Indian Journal of Biochemistry and Biophysics; 55(3) (2018) 215-221.
- 7. Oxovanadium Complex As Potential Nucleic Acid Binder**
Mamta Tripathi, Rubi Khilari, Yamini Thakur, Bharati Verma, Manish Pardhi and Rama Pande
Journal of Macromolecular Science, Part A Pure and Applied Chemistry; 54, (2) 2017, 85–90.
- 8. RNA Binding Efficacy of N-Phenylbenzohydroxamic Acid: *In-vitro* and *In-silico* Approach.**
Rubi Khilari, Yamini Thakur, Manish Pardhi, and Rama Pande.
Nucleosides, Nucleotides and Nucleic Acids; 34 (2015) 332–347.
- 9. In-vitro Screening of N-Naphthylhydroxamic Acids as DNA Binding Agents.** Manish Pardhi, Bharati Verma, Yamini Thakur, Rubi Khilari, Mamta Tripathi and Rama Pande,
Asian Journal of Chemistry; 28, 12 (2016), 2605-2612.

10. **Nucleic Acid Binding Affinity and Antioxidant Activity of N-M-Tolyl-4-Chlorophenoxyacetohydroxamic Acid.**
Rubi Khilari, **Yamini Thakur**, Mamta Tripathi, Rama Pande and Eli Mohapatra
Chimia, (Under Review).
11. **N-Arylhydroxamic Acid As Antisickling Agents.**
Likheshwari, Rainy Agrawal, **Yamini Thakur**, Mamta Tripathi and Rama Pande.
Transfusion Medicine and Hemotherapy, (Under Review).
12. **Transition Metal Ion Chelating Activities of N-Aryl Derivative of Hydroxamic Acids as Secondary Antioxidant.**
Bharati Verma, **Yamini Thakur**, Mamta Tripathi, and Rama Pande.
Journal of Solution Chemistry, (Communicated)
13. **Novel Naphthyl Hydroxamic Acid Derivatives: An Insight into their Protein Binding Studies.**
Rainy Agrawal, Mamta Tripathi, **Yamini Thakur**, Mohammad Khurseed Siddiqi, Rizwan Hasan Khan and Rama Pande.
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Communicated).

RESEARCH PAPERS PRESENTED IN INTERNATIONAL CONFERENCES

1. Fluorescence and Docking Studies on the Binding of Copper and Cobalt Complexes to DNA and RNA
Yamini Thakur and Rama Pande
Basel Life Science Week & MipTec Exhibition 2015, September 20-24, 2015, Basel, Switzerland
2. RP-HPLC measurement of Lipophilicity of Hydroxamic acid –Metal complexes and Protein Interaction Affinity with emphasis to Drug Discovery
Yamini Thakur and Rama Pande
5th International Conference on Chemical, Agricultural, Biological and Health Sciences (CABHS-2017), May 10-11, 2017, Dubai (UAE).
3. *In-vitro* and *In-silico* ct-DNA/t-RNA Binding Study of Hydroxamic Acid-Metal Chelators and Its Anti-cancer Activity
Yamini Thakur, Rama Pande and Eli Mohapatra
20th Tetrahedron Symposium, Bangkok, Thailand, June 18-21, 2019.

RESEARCH PAPERS PRESENTED IN NATIONAL/STATE CONFERENCES

1. *Invitro* and *Insilico* Screening of RNA Binding Affinity of N-Phenylbenzohydroxamic.
Yamini Thakur and Rama Pande
17th CRSI National Symposium in Chemistry, February 06 – 08, 2015, CSIR -NCL, Pune, India.
2. Drug Designing, Discovery and Development Techniques: An Overview
Yamini Thakur and Rama Pande
One Day Symposium on Science, Technology and Humanity, March 10, 2016, Pt. Ravishankar Shukla University, Raipur, India.

3. Hydroxamic Acids- Co (II)/ Mo (VI) Complexes : Interaction Studies with DNA/RNA
Yamini Thakur and Rama Pande
Indian Council of Chemist-2016, December, 22-24, 2016 , Pune, India.
4. Reversed Phase-High Performance Liquid Chromatographic Evaluation of Lipophilicity of Hydroxamic Acid –Metal Complexes and its Protein Binding Ability
Yamini Thakur
15th Chhattisgarh Young Scientist Congress – 2017, February 28–March 1, 2017, Chhattisgarh Swami Vivekananda Technical University, Bhilai (C.G.), India.
5. Intriguing Nucleic acid Binding Parameters of Cobalt (II) Complex of Hydroxamic acid.
Yamini Thakur, Mamta Tripathi and Rama Pande
National Conferences on Advances in Environmental & Chemical Sciences, March 17-18, 2017, Pt. Ravishankar Shukla University, Raipur(C.G.), India.
6. DNA Binding Parameters and Cytotoxicity of Hydroxamic Acid-Metal Complexes
Yamini Thakur and Rama Pande
Indian Council of Chemists-2017, December 26-28 2017, Andhra University, Visakhapatnam, India.
7. Hydroxamic Acid-Metal Complexes as Anti-Cancer Agents and Exploration of DNA/RNA Interaction Parameters and Molecular Docking
Yamini Thakur and Rama Pande
12th CRSI-RSC Symposium in Chemistry and 22nd CRSI National Symposium in Chemistry, February 2 - 4, 2018, Pt. Ravishankar Shukla University, Raipur (C.G.), India.
8. Intriguing Nucleic Acid Binding Parameters of Cobalt(II) Complex of Hydroxamic Acid
Yamini Thakur, Mamta Tripathi and Rama Pande
UGC-SAP DRS-II “National Conference on Advances in Environmental & Chemical Sciences” Pt. Ravishankar Shukla University, Raipur, February 17-18, 2017.
9. Evaluating The Protein Binding Propensity of Naphthylhydroxamic Acids
Rainy Agrawal, **Yamini Thakur** And Rama Pande
UGC-SAP DRS-II “3rd National Conference on Advances in Environmental & Chemical Sciences” Pt. Ravishankar Shukla University, Raipur, March 27-28, 2019.

INTERNATIONAL/ NATIONAL WORKSHOPS/SYMPOSIUM ATTENDED

- “**Prospection and Sustainable Use of Medicinal Plants of Chhattisgarh**”
Pt. Ravishankar Shukla University, Raipur, September 10-11, 2012.
- “**International Symposium on Environmental- Analytical and Toxicological Issues of Speciation in Atmospheric Organic Aerosols**”
Pt. Ravishankar Shukla University, Raipur, December 06-07, 2012.
- “**Translators Orientation Programme**”
National Translation Mission, Pt. Ravishankar Shukla University, Raipur, January 24th 2013.
- “**National Conference on Recent Trends in Chemical Sciences**”
Pt. Ravishankar Shukla University, Raipur, January 23-25,2014.

- **“Recent Trends in Heterocyclic Compounds and Material Science”**
National Institute of Technology, Raipur, May 26 – 30, 2014.
- **“Advances in Analytical Techniques in Chemistry and Material Science”**
National Institute of Technology, Raipur, February 08-12, 2016.
- **“One Week Short Term Course with Hands-on Training Programme on In- Silico Drug Design and Discovery”**
National Institute of Technology, Raipur, April 04-08, 2016.
- **“2nd Workshop on Advanced Techniques in Anti-Cancer Drug Evaluation”** Advanced Centre for Treatment, Research & Education in Cancer (ACTREC), Navi Mumbai, Maharashtra, October 08 - 12, 2018.
- **“56th Annual Convention of Chemists 2019 & International Conference on Recent Trends in Chemical Sciences”** Pt. Ravishankar Shukla University, Raipur, November 14-16, 2019.
- **“International Webinar on Recent Trends in Medicinal Chemistry”** Pt. Ravishankar Shukla University, Raipur, July 27-28, 2020.
- **“Effectiveness of Herbal Drug on COVID-19”** School of Sciences, MATS University, Raipur, July 28, 2020.
- **“Basic Chemistry in Daily Life”** Govt. Krantikumar Bhartiya College, Sakti, Janjgir-Champa, C.G., July 30, 2020.

TEACHING EXPERIENCE

Worked as Assistant Professor on contract basis at School of Studies in Chemistry, Pandit Ravishankar Shukla University, Raipur(C.G.) for the duration from 03/09/2014 to 30/04/2015.

NATIONAL SERVICE SCHEME

Participated in National Service Scheme, 5-11 December, 2008, Place - Mankuvar, Block-Dondi, Dist.-Balod C.G.

EXTRA-CURRICULAR ACTIVITIES

National Level Medalist in **Muay-Thai National Championship**
National Level Medalist in **Judo National Championship**
National Level Medalist in **Karate National Championship**
Awarded **Chhattisgarh Khel Alankaran**

*All India Karate Do- Federation, Dan Grade Black Belt- Shod Dan, Chennai

DECLARATION

I hereby declare that the above information mentioned by me is true to the best of my knowledge and belief.

Date:

SIGNATURE

Place: Raipur