

FACULTY PROFILE

1. Name: **Dr. SONLATA BARGOTYA**
2. Date of Birth: **15-10-1987**
3. Designation: **ASSISTANT PROFESSOR**
4. Subject: **CHEMISTRY**
5. Date of Joining (in Service): **15-10-2018**
6. Date of Joining (RPSC/Ordinance): **15-10-2018 (RPSC)**
7. Department: Department of College Education Rajasthan Jaipur
8. Official Address: Government P.G. College, Tonk (Rajasthan)-304001
9. Permanent Address: 115/SP-4, Sector-11, Pratap Nagar, Jaipur (Rajasthan)-302033
10. Contact Details: +919929753407 & +919001164076, E-mail: b.sonlata@gmail.com
11. Educational Qualifications: **M.Sc. Ph.D. NET-JRF SET B.Ed. & REET/R-TET**



Level	Name of University	Year	Title/Remark/Medal
X	CBSE Delhi	2004	80.60%
XII	CBSE Delhi	2006	80.60%
B.Sc.	University of Rajasthan, Jaipur	2010	75.70%
M.Sc.	University of Rajasthan, Jaipur	2012	68.46%
B.Ed.	University of Rajasthan, Jaipur	2013	78.89%
Ph.D.	University of Rajasthan, Jaipur	2017	Synthesis and Biocidal Characterization of some Antifungal Agents of Copper Surfactants with Nitrogen and Sulphur donor Ligands.
NET-JRF	CSIR New Delhi	2012	Chemical Sciences
SET	RPSC Ajmer	2012	Chemical Sciences
REET	RBSE Ajmer	2015	Mathematics & Science

12. Details of Working Institutions:

S. No.	Name of College	From	To
1.	Government College, Baran	15-10-2018	18-08-2021
2.	Government College, Tonk	19-08-2021	Continue...

13. Teaching / Research Experience:


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S. No.	Course	Total Experience
1.	U.G. (B.Sc.)	4.5 Years
2.	P.G. (M.Sc.)	4.5 Years
3.	Research	Nil

14. Research Paper Publication:

1. Neha Mathur*, Biplab Manna, **Sonlata Bargoutya** & Ashok Kasana “Antifungal Screening and Oxidation Behaviour of some Microwave assisted Benzothiazine Drugs” *International Journal of Chemical Sciences*, **2014**, Volume 12(2), 533-546. (ISSN:0972-768X)
2. Neha Mathur*, Imran Ahmed, Ashok Kasana, **Sonlata Bargoutya** & Biplab Manna “Biological Activities of Some New Environmentally Safe 2-Aminobenzothiazole Complexes of Copper (II) Derived under Microwave Irradiation” *International Archive of Applied Sciences and Technology*, **2014**, Volume 5(1), 37-42. (Online ISSN:2277-1565 & Print ISSN:0976-4828)
3. Neha Mathur*, **Sonlata Bargoutya** & Ruchi Mathur “Viscometric Behaviour and Micellar Studies of some Biodegradable Organometallic Complexes in Binary Solvent System” *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, **2014**, Volume 5(2), 989-997. (ISSN:0975-8585)
4. Neha Mathur*, **Sonlata Bargoutya** & Ruchi Mathur “Thermogravimetric Analysis of Microwave Assisted Novel Macromolecular Complexes of Metal Surfactants” *Journal of Applicable Chemistry*, **2014**, Volume 3(2), 712-719. (ISSN:2278-1862)
5. Neha Mathur*, **Sonlata Bargoutya**, Biplab Manna & Ashok Kasana “Solute-Solvent Interactions and Micellar Behaviour of Complexes of Copper (II) Stearate with Substituted Phenylthiourea and 2-Amino Benzothiazoles” *Indo American Journal of Pharmaceutical Research*, **2014**, Volume 4(04), 1981-1988. (ISSN:2231-6876)
6. Neha Mathur*, **Sonlata Bargoutya** & Pooja Saxena “Viscometric Evaluation of Azole derivatives in Non-Aqueous Solvent System” *Chemical Science Review and Letters*, **2015**, Volume 4(13), 327-334. (ISSN:2278-6783)
7. Neha Mathur*, **Sonlata Bargoutya** & Imran Ahmed “Estimation of Some Physico-Chemical Parameters of Some Novel Heterocyclics in Binary Solvent System” *Journal of Current Chemical and Pharmaceutical Sciences*, **2015**, Volume 5(1), 39-46. (ISSN:2277-2871)
8. Neha Mathur* & **Sonlata Bargoutya** “A Facile Synthesis and Biological Evaluation of Some Macrocyclic Copper complexes” *International Journal of Pharmaceutical Sciences and Research*, **2015**, Volume 6(6), 2538-2545. (Online ISSN:0975-8232 & Print ISSN:2320-5148)
9. Neha Mathur*, **Sonlata Bargoutya** & Pooja Saxena “Novel Complexes of Metal Surfactants with Substituted Phenylthiourea and their Thermogravimetric


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- Properties” *Journal of the Indian Chemical Society*, **2015**, Volume 92, July 2015, 1137-1141. (ISSN:0019-4522)
10. Neha Mathur* & **Sonlata Bargotya** “DNA-Binding and Cleavage Studies of Macrocyclic Metal Complexes Containing Heteroatomic Ligands” *Chemical Science Transactions*, **2016**, Volume 5(1), 117-124. (ISSN:2278-3458)
 11. **Sonlata Bargotya** & Neha Mathur* “Synthesis, Characterization and Plant Growth Regulatory Activity of Metal Complexes with Some Bioactive Ligands” *World Journal of Pharmacy and Pharmaceutical Science*, **2016**, Volume 5(11), 945-955. (ISSN:2278-4357)
 12. **Sonlata Bargotya** & Neha Mathur* “Advances in the Research of Novel N/S Containing Metal Complexes as Potent Antioxidants” *IOSR Journal of Applied Chemistry*, **2017**, Volume 10, Issue 8 Ver. II (August 2017), 18-23. (E-ISSN:2278-5736)
 13. Neha Mathur* & **Sonlata Bargotya** “Evaluation of Novel N/S Containing Heterocyclic Metal Complexes as Biologically Potent Agents” *Research Journal of Chemical Sciences*, **2018**, Volume 8(4), 30-34. (ISSN:2231-606X)
 14. Pratibha Chaudhary*, Sushila Dhaka & **Sonlata Bargotya** “Synthesis, Characterisation and Antimicrobial Activity of Schiff base Complexes of Sn (IV)” *Journal of Applicable Chemistry*, **2018**, Volume 7(1), 234-238. (ISSN:2278-1862)
 15. Pratibha Chaudhary*, Sushila Dhaka & **Sonlata Bargotya** “Synthesis and Characterization Studies of Schiff base Complexes of Chromium (III)” *Journal of Applicable Chemistry*, **2018**, Volume 7(2), 412-416. (ISSN:2278-1862)
 16. Vikram Tak, Pawan Swarnkar & **Sonlata Bargotya**, Drinking water quality management through correlation studies among various Physico-chemical parameters, *The International journal of analytical and experimental modal analysis*, **2021**, XIII(XI), 1617-1630.(ISSN:0886-9367)
 17. Vikram Tak, Pawan Swarnkar & **Sonlata Bargotya**, Physico-Chemical Characteristics Of Ground Water In Eastern Jalore, Rajasthan, *The International journal of analytical and experimental modal analysis*, **2021**, XIII(XII), 2160-2174.(ISSN:0886-9367)
 18. Vikram Tak, Pawan kumar Swarnkar & **Sonlata Bargotya**, Systematic Evaluation of Physico-Chemical Properties of Groundwater Assets of Jalore District, Rajasthan, *Applied Ecology and Environmental Sciences*, **2022**, 10(4), 249-255. (ISSN: 2328-3912)
 19. Vikram Tak, Pawan kumar Swarnkar & **Sonlata Bargotya**, Physicochemical Analysis of Water from Various Sources and their Comparative Studies, *Journal of Applied Geochemistry*, **2022**, 24(2), 72-77. (ISSN:0972-1967)

15. Research Projects:

Major/Minor	Title of Project	Name of Funding Agency	Fund Available/Utilized	Present Status
Nil	Nil	Nil	Nil	Nil

16. Research Supervision (For Ph.D./M.Phil.):

Name of Student	Degree/Joining Date	Present Status	Award/Studies
Nil	Nil	Nil	Nil

17. Book Publication:

S. No.	Title of Book	Name of Publisher	Year of Publication	ISBN (If Any)
1.	Anti Microbial and DNA Cleavage Studies of Heterocyclic Metal Complexes	LAMBERT Academic Publishing, Mauritius	2018	978-613-8-34627-2
2.	Physico-Chemical Analysis of Environmentally Safe Complexes of Copper	LAMBERT Academic Publishing, Mauritius	2018	978-613-8-34672-2
3.	Covid-19: Global Issues and Challenges (Chapter)	Paradise Publisher, Jaipur	July, 2022	978-93-93857-19-4
3.	Climatic Changes, Biodiversity and Environmental Protection	Paradise Publisher, Jaipur	August, 2022	978-93-93857-29-3

18. Membership (Academic Bodies):

S. No.	Name of the Learned Bodies/Societies	Membership No.
1.	The Indian Science Congress Association, Kolkata	L27039 (LM)
2.	Indian Chemical Society, Kolkata	F/7804 (LM)
3.	The Association of Chemistry Teachers, Mumbai	1715 (LM)


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19. Awards Received: Nil

20. Academic Courses Attended:

Course	Place	Sponsoring Agency	From	To
Induction	UGC-HRD Centre University of Rajasthan, Jaipur	RUSA	15-07-2019	10-08-2019
Refresher 1	Teaching Learning Centre Ramanujan College University of Delhi, Delhi	MHRD	30-01-2021	14-02-2021

21. FDP: Faculty Development Programme (Training Programme):

- (1) Divisional level Workshop cum Training Programme (Kota Division) titled SHIKSHAK DAKSHTA SANVARDHAN Jointly Organized by Commissionerate of College Education, Rajasthan, Jaipur and Government College, Baran (Rajasthan) held on 03-04 February 2020.
- (2) State Level Workshop cum Training Programme titled “E-Content: Development and Delivery” Jointly Organized by Directorate of College Education, Rajasthan, Jaipur and Government College, Bundi (Rajasthan) held on 10-11 August 2020.
- (3) Online International Workshop titled “Research Design” Organized by Department of Geography, Government College, Bundi (Rajasthan) held on 24-25 August 2020.
- (4) Gyan Ganga State level first Training Workshop under subject specific short term programme “Initiative for Teaching-Learning Excellence in Chemistry” Jointly Organized by Directorate of College Education, Rajasthan, Jaipur and Government Dungar College, Bikaner (Rajasthan) held on 07-11 September 2020.
- (5) Gyan Ganga State level Training-Workshop under subject specific short term programme “Initiative for Teaching-Learning Excellence in Chemistry” Jointly Organized by Directorate of College Education, Rajasthan, Jaipur and Government Dungar College, Bikaner (Rajasthan) held on 18-23 January 2021.
- (6) Gyan Ganga State level short term online Training (FDP) on “Initiatives for Communication Skills Enhancement” Jointly Organized by Commissionerate of College Education, Rajasthan, Jaipur and BSR Government Arts College, Alwar (Rajasthan) held on 15-20 February 2021.
- (7) Gyan Ganga State level online One week short term course “Initiatives for Teaching Learning Excellence in Environmental Studies” Jointly Organized by Commissionerate of College Education, Rajasthan, Jaipur and Department of Botany & Department of Zoology, Government M.S. College for Women, Bikaner (Rajasthan) held on 22-27 February 2021.

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- (8) Indira Gandhi National Open University, UGC Approved Short Term Professional Development Programme on “Implementation of NEP-2020 for University and College Teachers”, 07-15th October 2022.

22. Seminar / Conference Attended:

1. **National Seminar** on Chemistry for Economic Growth and Human Comforts held on 31 August 2013, Organized by Department of Chemistry, University of Rajasthan, Jaipur.
2. **National Conference** on Environmental Issues, Toxicology and Exposure Science held on 20-21 September 2013, Organized by Department of Zoology, Agrawal P.G. College, Jaipur.
3. **National Seminar** on Environmental Conservation and Sustainable Development: Issues and Challenges held on 05 June 2014, Organized by Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur.
4. **National Symposium** on Green Economy and Harnessing: Natural Products for Sustainable Development held on 12 July 2014, Organized by Indian Society for Life Sciences, Jaipur under the auspices of the Indian Science Congress Association Jaipur Chapter.
5. **National Conference** on Emerging Areas in Chemical Education & Research and National Convention of Chemistry Teachers held on 16-18 October 2014, Organized by the Association of Chemistry Teachers, Mumbai and Department of Chemistry, the IIS University, Jaipur. **(Poster Presentation)**
6. 4th **International Science Congress** held on 08-09 December 2014, Organized by International Science Congress Association under the auspices of Pacific University, Udaipur (Rajasthan). **(Poster Presentation)**
7. **National Conference** on Green Chemistry Bridge between Energy and Environment held on 15-16 December 2014, Organized by Department of Chemistry, Pt. N.K.S. Government P.G. College, Dausa (Rajasthan), India. **(Paper Presentation)**
8. **National Conference** on Frontiers at the Chemistry Allied Sciences Interface held on 13-14 March 2015, Organized by Centre of Advanced Study, Department of Chemistry, University of Rajasthan, Jaipur. **(Paper Presentation)**
9. **National Conference** on Globalization: New Dimensions for Social Science and Information Technology held on 27-28 November 2015, Organized by Sri Sant Sundardas Government Girls College, Dausa (Rajasthan). **(Paper Presentation)**
10. 8th **National Conference** on Thermophysical Properties held on 14-16 December 2015, Organized by Department of Physics, M.N.I.T. Jaipur (Rajasthan) under the auspices of Thermophysical Society of India. **(Poster Presentation)**
11. 52nd Annual Convention of Chemists 2015 and **International Conference** on Recent Advances in Chemical Sciences held on 28-30 December 2015 at JECRC


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University, Jaipur (Rajasthan), Organized by Indian Chemical Society, Kolkata. **(Poster Presentation)**

12. **National Seminar** on Necessity of Environmental Conservation in Changing Scenario held on 19 March 2016, Organized by Department of Chemistry, University of Rajasthan, Jaipur and Science Council Prayag, Jodhpur Branch.

13. **National Conference** on Sustainable Chemical & Material Sciences held on 05-06 August 2016, Organized by Department of Chemistry, S.S. Jain Subodh P.G. College, Jaipur (Rajasthan). **(Paper Presentation)**

14. **National Seminar** on Science and Technology: The Indian Perspective held on 16-17 September 2016 at University of Rajasthan, Jaipur, Organized by Indian Science Congress Association Jaipur Chapter. **(Poster Presentation)**

15. **International Conference** on Frontiers at the Chemistry-Allied Sciences Interface held on 22-23 July 2017, Organized by Centre of Advanced Study, Department of Chemistry, University of Rajasthan, Jaipur. **(Paper Presentation)**

16. **National Conference** on Recent Advances at Interfaces of Physical and Life Sciences held on 06-07 July 2018, Organized by Department of Chemistry, University of Rajasthan, Jaipur. **(Poster Presentation)**

17. **International Conference** on Frontiers at the Chemistry-Allied Sciences Interface held on 21-22 December 2018 Jointly Organized by Department of Chemistry, University of Rajasthan, Jaipur, Indian Society of Chemists and Biologists Rajasthan Chapter and Chemical Research Society of India Rajasthan Chapter. **(Poster Presentation)**

18. **International Conference** on Recent Advances at Interfaces of Physical and Life Sciences held on 28-30 January 2019, Organized by Department of Chemistry, University of Rajasthan, Jaipur. **(Poster Presentation)**

19. **National Conference** on Gender Equality: Issues and Challenges in India held on 23-24 December 2019, Organized by Government Girls College, Karauli (Rajasthan). **(Paper Presentation)**

20. **National Conference** on Environmental Sustainability and Tribal Empowerment held on 03-04 January 2020 Organised by Department of Economics, Government P.G. College, Baran (Rajasthan). **(Paper Presentation)**

21. **National Webinar** of Botany titled Sustainable Utilization of Herbal Resources: Conservation and Challenges held on 2 September 2020, Organized by Department of Botany, Government College, Bundi (Rajasthan).

22. **International E-Conference** on Climate change, Ethics and Sustainability held on 28 January 2021 Organized by M.S.J. Government P.G. College, Bharatpur (Rajasthan).

23. **International Webinar** on IPR and its role in Research and Innovation held on 31 August 2021, Organized by Government Model Science College, Gwalior (M.P.).


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24. **International Conference** on Multidisciplinary approaches to environment research for human health, 22-24 December, 2021 organised by Department of Zoology, University of Rajasthan, Jaipur. **(Paper Presentation)**

25. **National Seminar** on “Vaishvik Paryavaran Pradushan and Jalvavu- Vaidik Samadhan”, on 25 December, 2021 organised by Mata Krishnavati Mahavidhyalay, Padampur. **(Paper Presentation)**

26. International Conference on “Multidisciplinary Approach Towards Sustainable Development & climate change for a viable Future”

27. **National Seminar** on “Rashtriya Shiksha Niti-2020, Issues, Challenges & Oppurtunities”, on 1 November, 2022 organised by Shrimati Narbada Bihani Government P.G. College, Nohar, Hanumangarh. **(Paper Presentation)**

28. **National Seminar** on “New Education Policy 2020: Mains Issues”, on 12 November, 2022 organised by Tantia University, Faculty Education, Sriganganagar. **(Paper Presentation)**

29. **International Conference** on Environment, Sustainable Development & Human Health on 16-17 December, 2022 organised by S.R.K. Govt. College, Rajsamand and Maharana Pratap Govt. College, Chittorgarh. **(Paper Presentation)**

30. **International Conference** on “Sahitya, Samaj and Hindi Cinema” on 18 January, 2023, organised by Govt. Arts Girls College, Kota. **(Paper Presentation)**

31. **International Conference** on “Emerging Issues and Challenges in Energy and Environment for Sustainable Development” on 20-21 January, 2023 organised by Government College, Rajgarh, Alwar (Raj.). **(Paper Presentation)**

32. **International Conference** on Emerging Issues and Challenges in Energy and Environment for Sustainable Develpoement on 20-21 January, 2023 organised by Government College, Rajgarh, Alwar (Raj.). **(Paper Presentation)**

33. **National Seminar** on “Recent Environmental Issues and Scientific Evaluation” on 30-31 January 2023, organised by Agarwal Kanya Mahavidhyalaya, Gangapurcity, Sawai Madhopur **(Paper Presentation)**

23. Resource Person /Organizing Secretary/ Convener of Conference/Seminar/ Webinar:

S. No.	Conference/Seminar/Webinar Title	Post	Duration
1.	“National Conference on Environmental Sustainability and Tribal Empowerment” Organized by Department of Economics, Government P.G. College, Baran (Rajasthan)	Co- Convener	3rd & 4th January 2020
2.	“Webinar on Research and Employment Opportunities in Chemical Sciences” Organized by Department of Chemistry, Government P.G. College, Baran (Rajasthan)	Convener	2nd March 2021


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3.	“National e- Workshop on Intellectual Property Rights (IPR) Organised by CGPD TM, New Delhi	Co-ordinator	7 th February, 2022
4.	National Seminar on World Environment Day on “ Living Sustainably in Harmony with Nature” organised by	Organising Secretary	5 th June, 2022
5.	National e- Conference on “Novel Dimensions of Research & Development” Govt. College, Tonk	Organising Secretary	29 th November, 2022
6.	National e- Workshop on “Intellectual Property Rights (IPR) Organised by CGPD TM, New Delhi (NIPAM:2.0)”	Convenor	20 th Dec, 2022

24. Sport Activities: Nil

25. Extra-Curricular Activities: Nil

26. Any Other Relevant Information/Contributions: Nil


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