



FEROZE GANDHI COLLEGE RAE BARELI
NAAC-Accredited Grade "A" College
Affiliated to University of Lucknow, Lucknow
Established on 8th August, 1960

Dr. Shaifali Srivastava
Ph.D. (Chemistry)
Department of Chemistry
Feroze Gandhi College
Raebareli



Name: Dr. Shaifali srivastava (Miss)
Post: Assistant Professor
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Feroze Gandhi College, Rae bareli-229001, U.P.
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WORK EXPERIENCE:

- 2019- continue Assistant Professor Department of Chemistry Feroze Gandhi College, Rae bareli.
- 2003-2019 Hon. Asstt. Prof. Department of Chemistry Feroze Gandhi College, Rae bareli. Teaching Under graduate and Post graduate classes.
- 2002-2003 Adhoc Lecturer Department of Chemistry Feroze Gandhi college, Rae bareli Teaching Under graduate and Post graduate classes.
- 1999-2001 Senior Research Fellow, CIMAP, Lucknow. Did Research work.
- 1997-1999 Project Assistant, CIMAP, Lucknow. Did research work.

EDUCATIONAL QUALIFICATION:

- 2002 Doctor of Philosophy (Chemistry). Dr. R.M.L. Avadh Univ. Faizabad, U.P.
- 1996 Master of Science (Organic Chemistry). I Div. (63.3%). S.S.J.M. Kanpur Univ. Kanpur, U.P.
- 1993 Bachelor of Science (Chemistry & Zoology). I Div. (70%). Rohilkhand Univ. Bareilly, U.P.
- 1990 A.I.S.S.C.E. I Div. (61%). CBSE Board, New Delhi.
- 1988 A.I.S.S.E. I div. (60%). CBSE Board, New Delhi.

RESEARCH DETAIL:

Executed research work under the supervision of Dr. M. M. Gupta (Retd. Chief Scientist & H.O.D.) Analytical Chemistry Division, CSIR-CIMAP, Lucknow since 1997 to 2001.

During research new Analytical methods using HPLC & HPTLC developed, novel phytochemicals isolated, new biological active tested and quality screening of phytochemicals from medicinal plants.

COURSES TAUGHT:

Under Graduate Level:

- Organic Chemistry
- Spectroscopy.

Post Graduate Level:

- Organic Chemistry
- Spectroscopy
- Natural Product
- Organic Synthesis & Reaction Mechanism.

ACHIEVEMENTS:

- Win National award.
- Book published.
- Patent.
- Developed three new analytical methods using HPLC & HPTLC.
- Isolated five new compounds from various plants.
- Papers Published.
- Papers Presented.
- Seminars Attended.

SEMINARS ATTENDED ON INSTRUMENTS:

- GC-MS organized by SHIMADZU, Japan at hotel Clark Avadh, Lucknow U.P. India.
- HPLC-MS organized by SHIMADZU, Japan at CDRI, Lucknow U.P. India.
- GC-MS organized by SHIMADZU, Japan at CIMAP, Lucknow U.P. India.
- GC-MS organized by HEWLETT PACKARD, USA at CIMAP, Lucknow U.P. india.

PUBLICATIONS:

1. **Shaifali Srivastava** et al. Journal Of Chromatography A, 841:123-126. NETHERLAND. Reversed HPLC determination of 1,3-benzodioxanes in P. mullesua ISSN no 0021-9673 (C.I.=4.29) 1999.
2. **Shaifali Srivastava** et al. Journal of Associate Official of Analytical Chemists, 83:1484-1488. PENNSYLVANIA. Quantitation of 1,3-benzodioxanes derivatives from P. mullesua by HPTLC ISSN no 0003-2700 (C.I.=5.79) 2000.
3. **Shaifali Srivastava** et al. Journal of Liquid Chromatography and Related Technology, 24:153-159. FLORIDA. HPLC determination of vasicine and vasicinone in A. vasica with Photo diode array detection ISSN no 1082-6076 (C.I.=0.65) 2001.
4. **Shaifali Srivastava** et al. Pharmaceutical Biology, 39:226-229. NETHERLAND. Insecticidal activity of myristicin from P. mullesua ISSN no 1744-5116 (C.I.=1.24) 2001.
5. **Shaifali Srivastava** et al. Journal of essential oil research, 11:563-564. ENGLAND. Volatile constituents of essential oil of P. mullesua ISSN no 1041-2905 (C.I.=0.79) 2001.
6. **Shaifali Srivastava** et al. Indian Journal of Chemistry. 39B:946-949. NEW DELHI. 1,3-benzodioxane derivatives from P. mullesua ISSN no 0019-5022 (C.I.=0.25) 2000.
7. **Shaifali Srivastava** et al. Phytotherapy research. 15:70-72. ENGLAND. sesamine a potent antifeedant principle from P. mullesua ISSN no 1099-1573 (C.I.=2.66) 2001.
8. **Shaifali Srivastava** et al. Journal of Indian Chemical Society. 79:286-288. CALCUTTA. A new oleonolic acid from A. aspera ISSN no 0091-4522 (C.I.=0.19) 2000.
9. **Shaifali Srivastava** et al. Journal of Indian Chemical Society. 77:305-306. CALCUTTA. Chemical constituents of P. mullesua ISSN no 0091-4522 (C.I.=0.19) 2000.
10. **Shaifali Srivastava**, "Importance in Curcuma amada Roxb.," JASRAE vol. 19 issue 5, 1-6. E-ISSN 2230-7540.
11. **Shaifali Srivastava**, "Aromatherapy: A synergy Therapy," Advances in Chemical Sciences: Exploring New Frontiers ISBN:978-93-5747-689-8, IIP Series, 48-57.

PATENTS:

1. M.M. Gupta, R. K. Verma, **Shaifali srivastava** and Sushil Kumar, Patent 59/2000, (1999), INDIA.

SEMINARS:

1. **Shaifali Srivastava** attended 5th International Conference on, "Innovative Straties And Advancements in Academics and Research: Navigating Global Scenarios, organised by IMHRC and Shia P. G. College, Lucknow held on 28-29th Oct 2023, Oral paper presented entitled "Natural Products: Extraction and Isolation".
2. **Shaifali Srivastava** attended International Conference on, "Material Science and Spectroscopy (ICMSS-21)," organised by Maharishi University of Information Technology, Lucknow held on 22nd -24th sep 2021, Oral paper presented entitled "Applications of HPTLC".
3. **Shaifali Srivastava** attended National e-conference on, "Interdisciplinary Research in Science & Technology (NCIRST-20)," organised by Amirudaulla Islamia Degree College Lucknow University) Lucknow, Oral paper Presented entitled "Practical keynotes of HPLC" held on 30th-31st May 2020.

4. **Shaifali Srivastava** attended National Seminar on, "Recent Advanced Techniques in Analytical Chemistry" organized by Department of Chemistry D.G.P.G. College (CSJM Univ.) Kanpur paper presented entitled "Theoretical Concept of HPLC" held on 16th-17th Jan 2020.
5. **Shaifali Srivastava** attended National Conference on, "Indian Economic Reforms-25years" organised by Department of Commerce Feroze Gandhi College Raebareli in collaboration with Institute of Public Enterprise Research, Allahabad paper presented entitled "Economic Reforms and Swadeshi" held on 10th Dec 2016. 247-252, ISBN: 978-81-932-138-1-0.
6. **Shaifali Srivastava** attended National Seminar on, "Advances in Plant Frontier: Development and Environment" (APSF-2016) organised by Department of Botany G.F.College Shahjahanpur paper presented entitled "Nanotechnology In Agriculture:Current Trends" held on 26th-27th Nov 2016.
7. **Shaifali Srivastava** attended National Symposium on Current Trends in Medicinal Chemistry & Pharmaceutical Sciences in Drug Discovery at NIPER (CDRI)-(CSIR) Rae bareli paper presented entitled "Synergy Aromatherapy" held on 18th-19th Mar 2016.
8. **Shaifali Srivastava** attended International Conference on Chemistry, Material Prospects and Perspectives-2012 at Department of Chemistry BBR Ambedkar Univ., Lucknow. Paper presented entitled, "Trends and Developments in Liquid Chromatography with Mass Spectrometry Techniques," held on 14th-16th Dec 2012.
9. **Shaifali Srivastava** attended National Conference on "Recent Developments in Material Science," organised by Department of Chemistry Feroze Gandhi College Rae bareli paper presented entitled "Chromotherapy: An Alternate Medicine" 11th-12th Feb 2011. Win II prize.
10. **Shaifali Srivastava** attended National seminar on, "Mass Spectroscopy: its Relevance to various fields of Science" organised by Department of Chemistry D.G. (P.G.) college Kanpur paper presented entitled "Mass Spectroscopy: A Coupling tool" held on 19th-20th Nov 2009.
11. **Shaifali Srivastava** attended International symposium on, "Trends in Medicinal Chemistry and Biocatalysts," Organised by Department of Chemistry Univ. Of Delhi, Delhi & at hotel Siddharth, New Delhi paper presented entitled "Use of HPTLC in the Rapid Analysis of Some Important Plant Drugs" held on 26th-29thJan 2000.
12. **Shaifali Srivastava** attended national Seminars on, "The Frontiers of Research and Development in Medicinal Plants," organised by CSIR- CIMAP, Lucknow paper presented entitled "Use of HPLC in the Rapid Analysis of Some Important Plant Drugs using PDA detector" held on 16th-18th Sep 2000. JMAPS, 22/4A & 23/1A:1-3.
13. **Shaifali Srivastava** attended National Conference on, "Plant Biotechnology:Towards Strategic Agriculture and Drug Development" organised by CSIR- CIMAP, Lucknow paper presented entitled "Role of Chemical Fingerprinting in Quality Evaluation of Some Indian medicinal Plants" held on 15th-17th Mar 1999.

BOOKS:

1. **Shaifali Srivastava** et al, text book on "Inorganic Chemistry" for B.Sc. III is published at Ram Prasad Publication, Agra, 2014, ISBN 978-93-83385-92-8.

WORKSHOP:

1. **Shaifali Srivastava** attended "Training for Faculty Development program," implemented by CTED, Amethi, U.P. in association with EDII, Ahmedabad, Gujarat, at

F.G.College Rae bareli sponsored by DST, Government of India, New Delhi during 14th sep 2016- 27th.sep 2016.

2. **Shaifali Srivastava** attended a workshop in "Excitement in Chemical Sciences" conducted by National Academy of Sciences, India (NASI) at Department of Chemistry F.G.(P.G.) college Rae Bareli, on 13-14th sep 2014.
3. **Shaifali Srivastava** attended a workshop in "Remote Sensing & Geographic Information System" conducted by Regional Remote Sensing Centre, Dehradun (ISRO) at Indira Gandhi auditorium, F.G.(P.G.) college Rae Bareli, 15th feb 2005.

FACULTY DEVELOPMENT PROGRAMMES:

1. **Shaifali Srivastava** attended Two week FDP (Refresher Course) in Chemical Sciences organised by TLC Ramanujan College, Univ. Of Delhi, Delhi held on 01stFeb 2022-15th Feb 2022 score A⁺.
2. **Shaifali Srivastava** attended Four weeks Induction/ Orientation programme for,"Faculty in Universities/ College/Institute of Higher Education," organised by TLC, Ramanujan College, Univ. Of Delhi, Delhi held on 01st sep 2020-30th sep2020 score A+.
3. **Shaifali Srivastava** attended One week International FDP on,"Latest Trends in Engineering, Science and Technology: Nano materials"" organised by Department of Chemistry, Lendi Institute of Engineering & technology, Vizianagram, from 10th-15th Aug 2020.
4. **Shaifali Srivastava** attended 2nd one week International Faculty development programme online on "Role of Materials and Processing in Additive Manufacturing – 3D Printing to Industry 2020," organised by Department of Mechanical Engineering, GLA Univ., Mathura in association with Indian Institute of Metals (IIM), Mathura Chapter from 19th -24th Jul 2020
5. **Shaifali Srivastava** attended four days soft skill online Training Programme organised by KSKV, Bhuj, Kuchch and Business Excellence Inc., USA.
6. **Shaifali Srivastava** attended " Orientation Programme" conducted by U.G.C. at Allahabad University, Allahabad, U.P. (India), 77th, 2006.

WEBINARS

INTERNATIONAL:

1. **Shaifali Srivastava** attended Lectures an International workshop on "Recent Advances in Interdisciplinary Chemical Sciences (RAICS-22) on 24th-25th may 2022, organised by Chemistry Section, Mahila Mahavidyalaya BHU, Varanasi, India.
2. **Shaifali Srivastava** attended International e-conference on Recent Advancements in Chemical Sciences: Health, Environment and Society (ICRACS-2022) on 8th -9th April 2022 Organised by Department of Chemistry, Deshbhandhu College, University of Delhi, oral presented paper entitled "Medicinal Importance of Zinziber officinale (Ginger)".
3. **Shaifali Srivastava** attended International Webinar on "Indian Literature & Culture in Respect of COVID-19," organised by Department of Hindi, Bareilly College (MJP Rohilkhand Univ.), Bareilly held on 12th June 2020.

4. **Shaifali Srivastava** attended International webinar on "Pandemic COVID-19 :current scenario & future prospects with reference to India" organised by IQAC Dr. Shyama Prasad Mukherjee Government college Bhadohi in association with Asian Biological Research foundation Prayagraj oral paper presented entitled "Covid-19:why difficult to treat?" held on 7th-8th June 2020.
5. **Shaifali Srivastava** attended International webinar on "Environment and Development," organised by Department of Sociology and Botany RRP College (RML Avadh Univ.) Amethi held on 5th June 2020.
6. **Shaifali Srivastava** attended International webinar on "Stress Management," organised by D.S.N. (P.G.) College (CSJM Univ.) Unnao held on 3rd June 2020.
7. **Shaifali Srivastava** attended International webinar on "Contribution of Science and technology in combating COVID-19: A Socio–Economic Impact," organised by Bora Institute of Management Sciences, Univ. Of Lucknow, Lucknow held on 24th May 2020.
8. **Shaifali Srivastava** attended International webinar on "Present Pandemic and Bioinformatics," organised by Department of Botany and Department of Bioinformatics Janta Vedic College Baraut (CCS Univ.) Baghpat held on 22nd May 2020

NATIONAL:

1. **Shaifali Srivastava** attended Indo Egyptian conference on "Health Science and Radiology-[IECHSR-2020]" organised by SR Group of Institutions, Lucknow from 22nd-24th Aug 2020.
2. **Shaifali Srivastava** attended National webinar on,"Ethics, values and Indian Culture in Present Scenario," organised by IGNOU Lucknow and Mahila Vidyalaya Degree College held on 20th July 2020.
3. **Shaifali Srivastava** attended National webinar on "Awareness Program on Our Lives, Our Rights," organised by D.G.P.G. College (CSJM Univ.) Kanpur held on 14th-15th July 2020.
4. **Shaifali Srivastava** attended National webinar on," Covid-19 & Indian Economy," organised by School of Social Sciences, Central Univ. Of Gujarat in collaboration with SHODH & Knowledge partner ICSSR on 9th-11th June 2020.
5. **Shaifali Srivastava** attended National webinar on "Chemistry on COVID-19 & its Control," organised by D.G.P.G. College (CSJM Univ.) Kanpur held on 6th June 2020.
6. **Shaifali Srivastava** attended National webinar on "Effect of COVID-19 on Family and Society in India," organised by Mahila Mahavidyalaya (B.H.U.) Varanasi held on 27th May 2020.

EXTRA CURRICULAR ACTIVITIES:

- Certified by "Science and Technology Council U.P.,Lucknow", for special contribution on occasion of BAAL VIGYAN MODEL EXHIBITION held at Govtmt Inter College Rae bareli on 11th jan 2016.

- Attended “National Service Scheme Camp” organized by Rohilkhand University, at G.F. (P.G.) College, Shahjahanpur. 14-24th Feb 1992
- Attended “First Aid Training Programme” .at G. F. (P.G.) College, Shahjahanpur. 14-18th Feb 1992.
- Took part in the “Intermediate B Level Mathematics Olympiad Contest for XI class”. 1989. Awarded with certificate.
- Attended “Indian Scouts and Guides Regional Rally” at Central School (Kanpur Cantt), Kanpur. 8-11th Nov 1986.
- Attended “ Indian Scouts and Guides Social Work Training Programmed” at Central School A.S.C. , Bareilly. 19-21st 1986.

(Dr. Shaifali Srivastava)

SEMINAR

1. Shaifali Srivastava International Conference on,"Material Science and Spectroscopy (ICMSS-21)," organised by Maharishi University of Information Technology, Lucknow held on 22nd -24th sep 2021, Oral paper presented entitled "Applications of HPTLC".
2. Shaifali Srivastava. International webinar on"Pandemic COVID-19 :current scenario & future prospects with reference to India"" organised by IQAC Dr. Shyama Prasad Mukherjee Government college Bhadohi in association with Asian Biological Research foundation Prayagraj oral paper presented entitled "Covid-19:why difficult to treat?" held on 7th-8th June 2020.
3. Shaifali Srivastava. National e-conference on."Interdisciplinary Research in Science & Technology (NCIRST-20)," organised by Amirudaulla Islamia Degree College Lucknow University) Lucknow, Oral paper Presented entitled "Practical keynotes of HPLC" held on 30th-31st May 2020.
4. Shaifali Srivastava. National Seminar on Recent Advanced Techniques in Analytical Chemistry organized by Department of Chemistry D.G.P.G. College (CSJM Univ.) Kanpur 16th-17th Jan 2020.

SUMMATION OF DUTIES IN YEAR 2010-2016

- Organizing member of "Enthusia" cultural activity programme.
- Member of the Library Committee of the college.
- Member of the admission committee of B.Sc. part III & M.Sc. I.
- Library incharge of the library in Department of chemistry.
- Performing teaching of U.G. & P.G. classes preparation of study material and practical training.
- Supervising and enrolling Project Work to P.G. final students in chemistry on various aspects of chemistry.
- Accompanying educational tour at P.G. level.
- Actively participated as a member of sports, games, cultural activities etc.
- Examinee in evaluation of answer books of CSJM univ Kanpur & UPRTO univ Allahabad.
- Examinee in practical and viva voce of CSJM univ Kanpur.
- Worked as Flying squad of exams of CSJM univ Kanpur.