



## Shivaji College Faculty Details Proforma

Title	Dr.	First Name	SHILPA	Last Name	JAIN	Photograph
<b>Designation</b>						
<b>Address</b>		84, GRAM SABHA, POOTH KALAAN, NEW DELHI-110086				
<b>Office Phone No.</b>						
<b>Residence</b>						
<b>Mobile</b>		9213736562				
<b>Email</b>		shilpajain.jain4@gmail.com				
<b>Web-Page</b>						
<b>Educational Qualifications</b>		Ph.D				
<b>Degree</b>	<b>University/Institute</b>				<b>Year</b>	
Ph.D.	University of Delhi				2016	
M.Phil./M.Tech.						
PG	University of Delhi				2008	
UG	University of Delhi				2006	
B.Ed	University of Delhi				2009	
<b>Career Profile</b>						
Shivaji College (Ad - hoc : August 2016- till date)						
Shivaji College(Guest faculty: August 2015 - October 2015) Hans Raj						
College (Guest faculty: August 2015- October 2015)						
Daulat Ram college (Ad - hoc : March 2015- May 2015)						
Hans Raj College (Guest faculty: January 2015 - February 2015)						
Hans Raj College (Guest faculty: August 2014- November 2014)						
<b>Administrative Assignments</b>						
Member: Placement Cell Member Magazine Committee NSS						
<b>Areas of Interest/Specialisation</b>						
Inorganic Chemistry						

## Subjects Taught

Atomic Structure  
Organometallics  
s&p- Block Elements  
Inorganic Materials of Industrial Importance  
Bioinorganic Chemistry  
Industrial Chemicals and Environment  
Chemistry of d & f block elements  
Chemical Energetics

## Innovation Project/Research Projects (Major Grants/Research Collaboration)

## Publications Profile (Research Papers/Books)

1. **Shilpa Jain, Monika Datta**  
“Montmorillonite-alginate microspheres as a delivery vehicle for oral extended release of Venlafaxine hydrochloride”  
*Journal of Drug Delivery Science and Technology* **2016**, 33, 149-156
2. **Shilpa Jain, Monika Datta**  
“Oral extended release of dexamethasone: Montmorillonite PLGA nanocomposites as a delivery vehicle ”  
*Applied Clay Science* **2015**, 104, 182-188
3. **Shilpa Jain, Monika Datta**  
“Montmorillonite-PLGA nanocomposites as an oral extended drug delivery vehicle for venlafaxine hydrochloride”  
*Applied Clay Science* **2014**, 99, 42-47
4. **Shilpa Jain, Monika Datta**  
“Naturally occurring clay, montmorillonite, as a drug delivery vehicle for in vitro extended release of venlafaxine hydrochloride”  
*European Chemical Bulletin* **2014**, 3(7), 672-681.
5. **Shilpa Jain, Monika Datta**  
“pH metric Titrations: A Green Approach”  
*International Journal of Current Chemistry* **2012**, 3(1&2), 15-22.
6. **Shilpa Jain and Monika Datta, 2011**  
Electrochemical Method for Micro Titration: A Green Approach, at Proceedings of ISEAC International Symposium cum Workshop on Electrochemistry at Goa, India 103-107

## Conference/Seminar/Faculty Development Programme/Workshop

- ❖ **Invited talk :** Montmorillonite Based Excipients as a Delivery Vehicle For Extended Release of An Anti-Inflammatory Drug on April 13<sup>th</sup> 2018 at Recent Trends and Advances in Chemical Science & their Impact on Environment (RTACIE 2018) at Amity University Rajasthan, Jaipur, Rajasthan, India.
- ❖ **Oral Presentation:** Extended release of Venlafaxine Hydrochloride using montmorillonite based excipients as a delivery vehicle November 9<sup>th</sup> -11<sup>th</sup> 2017, IIIrd International Conference on Clinical Sciences and Drug Discovery (CSDD 2017), Washington D.C, USA.
- ❖ **Oral Presentation:** Montmorillonite–Biopolymeric Microspheres as a delivery vehicle for oral extended release of Venlafaxine Hydrochloride at International Conference on Materials Science and Technology (ICMtech 2016) March 3, 2016 organised by University of Delhi, Delhi-110007, India.
- ❖ **Oral Presentation:** Clay Biopolymer Composite microspheres as a drug delivery vehicle for *in-vitro* extended release of an antidepressant drug at 3<sup>rd</sup> International Conference on Nanostructured Materials and Nanocomposites (ICNM 2015) organized by Hindustan College of Science and technology, Farah, Mathura, U.P., India. 12<sup>th</sup> -14<sup>th</sup> December 2015i.
- ❖ **Poster Presentation** Biopolymeric composite microspheres as a drug delivery vehicle oral extended release of an antidepressant drug at Indo-German workshop on supramolecular chemistry march 30<sup>th</sup> , 2015 organized by Department of chemistry, University of Delhi.
- ❖ **Oral Presentation:** Clay polymer composite as an oral extended drug delivery vehicle organized by Indian chemical society, 51st Annual Convention of Chemists 2014, December 9- 12, 2014, Department of Chemistry, Kurukshetra University, Haryana (**Dr. Upadhyayula V. Rao Memorial Award for Oral presentation**).
- ❖ **Oral Presentation** Polymer nanoparticles as an oral extended drug delivery vehicle” International conference on recent advances in polymer and rubber science and Technology , January 22 -24, 2014, at Department of Polymer Science and Technology, University of Calcutta, West Bengal.
- ❖ **Poster Presentation** Clay–Polymer Nanocomposites: A Novel Material for Oral Extended Drug Delivery System Emerging trend in development of drugs and devices (ETDDD-2013) organized by University of Delhi, NASI (Allahabad), INSA (Delhi) and IAS (Bangaluru), January 21-23, 2013 at Delhi, India.
- ❖ **Oral Presentation** pH metric titration: A green Approach .Paper presented at International conference on green technologies for environmental rehabilitation. Faculty of Engineering and Technology, February 11-13, 2012, Gurukul Kangri University, Haridwar, Uttarakhand, India.
- ❖ **Oral Presentation** Electrochemical Method for Micro Titration: A Green Approach, at

Proceedings of ISEAC International Symposium cum Workshop on Electrochemistry at Goa, India 103-107.

- ❖ Indo- German workshop on New perspectives for nano-Carriers in biomedical applications, 14th January 2013, Department of chemistry, University of Delhi.
- ❖ International Symposium on Educational course on chromatographic techniques” on January 11, 2012 at Manav Rachna international University, Faridabad, ISAS.
- ❖ International Symposium on “Recent Advances in Green Chemistry and Chromatographic sciences” on January 12-14, 2012 at Manav Rachna international University, Faridabad.
- ❖ National Workshop on “Basis and Application of Spectroscopic Techniques” on October 05-06, 2012 at Kirori Mal College, University of Delhi.
- ❖ Author Workshop on “How to write for and get Published in Scientific Journals and Publish Manuscripts” on August 27, 2012 at JNU Central Library, New Delhi.
- ❖ National Symposium on “Innovation in polymers towards sustainability and growth” on March 02-03, 2012 at Bhaskaracharya college of Applied sciences, Delhi.
- ❖ National Seminar on” Role of Analytical Techniques in Biological and Environmental Sciences” on January 27-29, 2011 at conference center and Kirori mal college, University of Delhi.
- ❖ The first indo Italian workshop on Frontiers of Fundamental and Industrial Electrochemistry: A challenge for a better world held from 30th-31st August 2010, at University of Delhi.
- ❖ National workshop on” Role of Analytical Techniques in Industry” on January 21-22, 2010 at conference center and Kirori mal college.
- ❖ Golden jubilee seminar of Analytical sciences in Energy and Environment, November 19-20, 2009 at IIP Dehradun
- ❖ **Resource Person** in Virtual Workshop on Collating chemistry Resources for Teachers in Higher Education on 18th-19th June 2020 organized by National Institute of Educational Planning and Administration (NIEPA), Delhi.
- ❖ Participated in the National Seminar on "Environment and Sustainability in The Third World" organized by Department of Chemistry & IQAC, 28 February 2020, Hansraj College, University of Delhi.
- ❖ Participated as **Organizer** in the Online Workshop on Digital Marketing organized by Placement Cell, Shivaji College, University of Delhi, on 11th May 2020.
- ❖ Participated as **Organizer** the National Conference on Relationship between Chemical Sciences and Society (RCSS-2020) , Department of Chemistry, Shivaji College on 16th - 17th January 2020.

- ❖ Participated in Webinar on “Nanoscience and Nanotechnology in the Present Scenario” on 9th & 10th June, 2020 in the School of Physical Sciences and Special Centre for Nano Sciences, JNU, New Delhi.
- ❖ Participated in the Third JNU Workshop for Empowering Teaching through Online Mode (JNU-WETOM III) on Theme “Online Assessment and Evaluation” held on June 13-14, 2020.
- ❖ Participated in International Webinar on “Psychological Well-Being and COVID 19: An Internal Journey” organised by the Women Development Cell (WDC), Shivaji College, University of Delhi on May 07, 2020.
- ❖ Participated in national Webinar on ICT Enabled Higher Education in India: Challenges and Opportunities" organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa college, University of Delhi, Under Pandit Madan Mohan Malaviya National Mission on Teachers and teaching (PMMMNMSTT) of MHRD 15 April, 2020.
- ❖ Participated in Webinar on "Towards Excellence in Higher Education in India in the 21st Century: Challenges and Opportunities" organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa college, University of Delhi, Under Pandit Madan Mohan Malaviya National Mission on Teachers and teaching (PMMMNMSTT) of MHRD May 1, 2020, India.
- ❖ Participated as a Resource Person in Inspire Science Camp, Shivaji College, organized by DST, Govt. of India held during 14th-18th December 2016.
- ❖ Participated as a Resource Person in Inspire Science Camp, Shivaji College, organized by DST, Govt. of India held during 16th -20th July 2018.
- ❖ Participated as a Resource Person in Inter-college Lab Skill Training Workshop for Laboratory Staff from Chemistry & Life sciences Department held from 10th July to 14th July, 2017, organized by Shivaji College, University of Delhi.
- ❖ Participated as a Resource Person in the Summer training programme organized by department of chemistry of Shivaji College from 20th June 2019 to 20th July 2019.
- ❖ Participated as a Resource Person in “Intra college Lab Skill Training Workshop” for Laboratory Staff from Chemistry & Life sciences Department held from 20-24 May 2019 organized by Shivaji College, University of Delhi.
- ❖ Participated as a Resource Person in Inter-college Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories from November 27 to December 3, 2019.
- ❖ Participated in the webinar on “Zebrafish Model System” organized by the Department of Biochemistry, Shivaji College, University of Delhi under the aegis of DBT sponsored Star College Scheme held on May 8, 2020.
- ❖ Participated in Webinar on ‘Reviving Post Pandemic: Opportunities and Impediments’ organised by NSS Unit, Shivaji College, University of Delhi held on May 16, 2020.

<b>Research Guidance (<i>Supervision of Doctoral Thesis/Dissertations</i>)</b>	
<b>Awards and Distinctions</b>	
2014:	<b>Dr. Upadhyayula V. Rao Memorial Award</b> 51 <sup>st</sup> Annual Convention of Chemists □ 2014 Indian Chemical Society, Kurukshetra University
2008:	<b>College Topper in M.Sc. (Chemistry) Final year</b> Hans Raj College, University of Delhi
2006:	<b>Sh. Om. P. Goel Prize (College Topper in B.Sc. III-year)</b> Hans Raj College, University of Delhi
2006:	<b>Guru Das Trikha Memorial Prize (College Topper in B.Sc. III-year)</b> Hans Raj College, University of Delhi
2004:	<b>College Topper in B.Sc. I-year</b> Hans Raj College, University of Delhi
<b>Memberships</b>	
Life Member of Indian Society of Analytical Scientists (ISAS)	
<b>Other Academic Activities</b>	
<b>Cultural/Extracurricular Activities</b>	

**Signature of Faculty Member**