



## Shivaji College Faculty Details Proforma

Title	Dr.	First Name	SHILPA	Last Name	JAIN	Photograph
<b>Designation</b>		ASSISTANT PROFESSOR				
<b>Address</b>		84, GRAM SABHA, POOTH KALAN, 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						
<b>Areas of Interest/Specialisation</b>						
Inorganic Chemistry						

## Subjects Taught

Atomic Structure Chemistry of d-block elements

Chemical Energetics Organometallics

s&p Block Elements Industrial Chemistry

Bioinorganic Chemistry Metallurgy

## 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

- ❖ **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, 51<sup>st</sup> 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, 14<sup>th</sup> 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 30<sup>th</sup>-31<sup>st</sup> 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 Dehradoon.

#### **Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)**

#### **Awards and Distinctions**

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

#### **Memberships**

Life Member of Indian Society of Analytical Scientists (ISAS)

#### **Other Academic Activities**

#### **Cultural/Extracurricular Activities**

**Signature of Faculty Member**