




Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
Dr	Rahul	Singhal	
Designation	Assistant Professor		
Address	Department of Chemistry Shivaji College University of Delhi Delhi-110027, India		
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Web-Page	http://www.shivajicollege.ac.in/academics/departments/faculty.php?department=chemistry		
Educational Qualifications			
Degree	University/Institute	Year	
Ph.D.	Department of Chemistry, University of Delhi	2014	
M.Phil	Department of Chemistry, University of Delhi	2006	
PG	Jamia Milla Islamia, Delhi	2004	
UG	Zakhir Hussain College, University of Delhi	2002	
Any Other Qualification			
Career Profile			

Administrative Assignments

- **Co-Convener** in “**India International Science Festival-2018**” for Science Village jointly organized by Department of Biotechnology and VIBHA from 5-8 October,2018 in Lucknow in which more than 2500 students and teachers nominated by Member of Parliament take part from all over India.
- **Convener** in Association of Chemistry Teachers Concept Test in Chemistry (**CONTECH-2016**).
- **Course Convener** of 3week Refresher Course in Chemistry from 26.06.2015 to 16.07.2015 organize by CPDHE, University of Delhi.
- Resource Person in the INSPIRE Science Camp held from December 19-23,2015 at Shivaji College, University of Delhi.
- **Key Note Speaker** on the Topic “Nanosciences and Its Application” in National Seminar “Interdisciplinary Approach of Sciences in Advancement of Technology: Art of Human Welfare (IASAT-15) organized by Galgotias University, Noida, October,2015.
- **Convener** in Association of Chemistry Teachers Concept Test in Chemistry (**CONTECH-2015**).
- Resource person in Summer Workshop at Shivaji College, University of Delhi, June 2014.
- **Co-Convener** of the Workshop for Laboratory Assistants/Attendants in Chemical and Life Sciences, Organized by Shivaji College, University of Delhi from 16-18 July, 2014.

Areas of Interest/Specialisation

Drug Delivery/Material Chemistry,Inorganic

Subjects Taught

Coordination Chemistry, Organometallic, Bioinorganic

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

Project Investigator in Innovated Project from University of Delhi (2014-2015) entitled: Pollutants. Development of An Android Application for Real Time Monitoring of Toxic Environmental.

Project Investigator in Innovated Project from University of Delhi (2015-2016) entitled: PLGA Nanoparticles Spacers for Targeted Drug Delivery in Cancer Treatment.

Publications Profile (*Research Papers/Books*)

- Rahul Singhal and Monika Datta (2009) Synthesis and characterization of biodegradable poly (HEMA)/ Cloisite nanocomposites. Polymer Composite, 30, 7, Pages 887–890. **(Impact factor:2.3)**
- Rahul Singhal and Monika Datta, (2007) “Development of Nanocomposites of Bentonite with Polyaniline and Ploy (methacrylic acid)”, Journal of Applied Polymer Science ,103,5,3299-3306. **(Impact factor:1.86)**
- Rahul Singhal and Monika Datta, (2007) “Synthesis and characterization of Clay- poly(o-toluidine) nanocomposite: Effect of Surfactants on Intercalation, Journal of Applied Polymer Science, 106, 3 ,1909 – 1916. **(Impact factor:1.86)**
- S. Marghoob Ashraf*, Sharif Ahmad, Ufana Riaz, Anshu Dev, and Rahul Singhal Miscibility and Biodegradability Studies of Polystyrene/Linseed Oil Epoxy Blend Derived from a Sustainable Resource, Iranian Polymer Journal, 16 (7), 2007. **(Impact factor:1.42).**
- Rahul Singhal and Monika Datta, (2006) "Development and characterization of poly(o-toluidine) montmorillonite nanocomposites as a novel materials for controlled drug delivery System" present in National Seminar on multifunctional nanomaterials, nanostructures and applications (MNNA) 22-23 December, held at Dept. of astrophysics, University of Delhi, Delhi-110007.
- Rahul Singhal and Monika Datta, (2011) "Preparation and characterization of venlafaxine HCl-MMT- PLGA nanocomposites " presented in International Conference on Nanomaterials & Nanotechnology held at the conference Centre, University of Delhi, during 18-21 December 2011
- Application of Clay Polymer Nanocomposites as Drug Delivery Vehicle: Importance of Nanocomposites in Drug Delivery" (ISBN 978-3-659-12657-4) LAP LAMBERT AcademicPublishingGmbH& Co. KG Heinrich-Böcking-Str.6-866121, Saarbrücken, Germany.

Conference/Seminar/Faculty Development Programme/Workshop

- Workshop on Research Based Pedagogical Tools for Teachers of Undergraduate Colleges, at Kolkata, , 23-26 September,2018 conducted by a team of five experts from the Centre for Science Education, Sheffield Hallam University, UK. The workshop was jointly sponsored by the Newton Programme of the British Council; MHRD; DBT and IISER, Pune.
- Attended National Conference in Chemistry on “Environment and Harmonious Development” organized by Department of Chemistry, Shyam Lal College, Delhi University from April 07-08, 2016.
- Participated in 4 weeks Orientation Programme (OR-84) in CPDHE, University of Delhi, Delhi, from May 20, 2016 to June 17, 2016.
- Participated in the UGC-Sponsored Workshop on “Innovative Teaching Methodologies and Use of ICT in Teaching” from 20.10.2016 to 26.10.2016 organized by CPDHE, University of Delhi.
- Participated in the UGC-Sponsored Workshop on “Use of ICT in Teaching” from 01.09.2015 to 08.09 .2015 organized by CPDHE, University of Delhi.
- Participated in the workshop entitle “Hands on Training on Cell Culture Techniques and Cytotoxicity Assays” organized during 14-16 october,2015 by Amity Institute of Virology & Immunology at Amity University, Noida
- Participated in the 3week UGC sponsored Refresher Course in Chemistry from 10.10.2014 to 01.11.2014 organize by Academic Staff College ,Jamia Millia Islamia, New Delhi.

- Workshop on Recent trends in green Chemistry organized by Department of Chemistry, Daulat Ram College, University of Delhi on 11-13 January,2012.
- International Conference on Nanomaterials & Nanotechnology held at the conference Centre, University of Delhi, during 18-21 December 2011.
- Two days National Workshop on Role of Analytical Techniques in Industry on January 21-22, 2010 at KM College, University of Delhi.
- One day Delhi State Level Symposium on Forensic Science on February 14,2008.
- 9th CRSI National Symposium in Chemistry February 1-4, 2007, Department of Chemistry, University of Delhi.
- Symposium on the Application of Nuclear Magnetic Resonance to Materials and Medicine held on November 21,2006 held at Indian Institute of Technology, Delhi, India

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

Awards and Distinctions

Memberships

Life Membership, Indian Society of Analytical Scientists, Royal Chemical Society

Other Academic Activities

Cultural/Extracurricular Activities

A handwritten signature in blue ink that reads "Rahul Singhal" with a long horizontal stroke extending to the right.

Signature of Faculty Member