


**BIO-DATA ---DR. PRAMENDRA KUMAR,
DEPARTMENT OF CHEMISTRY,
M.J.P. ROHILKHAND UNIVERITY,
BAREILLY**

Title	DR.	First Name	PRAMENDRA	Last Name	KUMAR	Photograph
Designation	Assistant Professor					
Department	Chemistry					
Address (Campus)	Department of Chemistry, IET M.J.P. Rohilkhand University Bareilly					
(Residence)	D-16, TYPE-3, Teacher's Colony M.J.P. University Campus, Bareilly-243006					
Phone No	0581-2529138 -----					
Mobile	9412602921					
Fax	0581-2529138					
E-mail	pramendra2002@gmail.com					
Web-Page	-----					
Education:						
Subject	Institution		Year	Details		
Chemistry	University of Allahabad, Allahabad		2011	D. Phil.		
Polymer Technology	Delhi college of Eng., Delhi		2002	Master of Engineering		
Organic chemistry	C.C. S. university, Meerut		2000	Master of Science		
Career Profile						
Organization / Institution		Designation	Duration	Role		
Department of Chemistry, IET, M.J.P. R. University, Bareilly		Assistant Professor	From 2002 to till date	Teaching, research and Departmental other assignments		
Research Interests / Specialization						
<ul style="list-style-type: none"> • Material hybridization • Polymer based Composites and Nanocomposites • Polymer Grafting • Enzyme immobilization • Waste water remediation 						

Teaching Experience (Subjects/Courses Taught)

- Polymer chemistry
- Organic chemistry
- Physical chemistry

Honors & Awards

- MHRD fellowship.
- UGC fellowship

Memberships:

- Member of Board of Studies of Chemistry Department, M.J.P. Rohilkhand University, Bareilly.
- Life Member, *Indian Science Congress Association*, India.
- Life member of Material Research Society of India (MRSI), IISc Bangalore, India.
- Life member of Indian Polymer Society of India, Pune.
- Referee in Journal of Advance Material Letters.

Publications (LAST FIVE YEARS)

Research Articles in various international journals:-

- V. Singh, S.K. Singh, S. Pandey, **P. Kumar**, Sol-gel synthesis and characterization of adsorbent and photoluminescent nanocomposites of starch and silica, *Journal of Non-Crystalline Solids* 357 (2011) 194-201 [IF-1.54].
- Vandana Singh and **Pramendra Kumar**, Carboxymethyl tamarind gum–silica nanohybrids for effective immobilization of amylase, *Journal of Molecular Catalysis B: Enzymatic* 70 (2011) 67-73 [IF-1.25].
- Vandana Singh and **Pramendra Kumar**, Design of nanostructured tamarind seed kernel polysaccharide-silica hybrids for mercury (II) removal, *Separation Science and Technology*, 46 (2011) 825-838 [IF-2.54].
- V. Singh, **P. Kumar**, R. Sanghi, Use of microwave irradiation in the grafting modification of the polysaccharides – A review, *Progress in polymer science*, (2011) [IF - 25.4].

Invited Book Chapters

- Vandana Singh & **Pramendra Kumar**, Polysaccharide-silica nanocomposites: Synthesis,

Characterization and potential applications. **Recent Developments in Bio-Nanocomposites for Biomedical Applications**, Pub. Date: 2010, 4th quarter, ISBN: 978-1-61761-513-9, Nova Publishers, New York, USA.

- Vandana Singh & **Pramendra Kumar**, Cassia Seed Gums: A renewable reservoir for synthesizing high performance materials for water remediation, **Handbook of Biopolymers and Their Applications**, Wiley-Scrivener ISBN: 978-0-47063-923-8, USA, Publish date-08/15/2011.
- **Pramendra Kumar** and A.C. Gangwar, Role of synthetic polymers for the fabrication of isotropic pitch based carbon fiber (*in press*)

Abstracts in Conference/seminar:

- *Microwave Promoted Graft Copolymerization of Ethylacrylate on to Guar Gum*, Vandana Singh, Sadhana Maurya, S.K. Singh, **Pramendra Kumar**, National Conference on Application of material science of the society-second series, September-12-13, **2009**, Department of Chemistry, C.M.P. College, Allahabad. pp- 23.
- *Synthesis, Characterization and Application of Cassia Grandis Seed Gum Based Adsorbent for the Removal of Lead from Aqueous Solutions*, Vandana Singh, Sadanand Pandey, S.K. Singh, Sadhana Maurya, **Pramendra Kumar**, Tulika Malviya, Shakeel Ahmad, International Symposium on Oswald's 100 year of Catalysis in Chemical Research, November 3-4, **2009**, at Department of Chemistry, Allahabad Agriculture Institute Deemed University, Allahabad. pp- 52.
- *Removal of cadmium metal ions using Guar Gum graft Poly(acrylamide)-silica nanocomposites*, Vandana Singh, S. K. Singh, Sadanand Pandey, **Pramendra Kumar**, Proceeding 46th Annual convention of chemists 2009 and **International conference** on recent research trends in chemical sciences, December 02-06, 2009, Chemistry Division, School of Science and Humanities, Vallore Institute of Technology University, Vellore, Tamilnadu. *ORG(OP-30)*.
- *Synthesis and Characterization of Guar gum-graft poly(acrylamide) templated silica: A luminescent adsorbent nanocomposite*, Vandana Singh, Sadanand Pandey, Somit K. Singh, Rashmi Sanghi, **Pramendra Kumar**, 97th Indian Science congress, January 03-07, 2010, Hosted by Indian Space organization Research (ISRO) and University of Kerala, Thiruvananthapuram, Kerala, (India) [*OP-3*].
- *Modification of Cassia Seed Polysaccharides for Water Remediation*, Vandana Singh,

- Pramendra Kumar**, Sadhana Maurya, Sadanand Pandey, Somit K. Singh, National Conference on Emerging Trends in Biochemistry & Satellite Symposium of the Academy of Environmental Biology (AEB), Department of Bio-Chemistry, University of Allahabad, Allahabad, January 23-24, 2010, P-52.
- *Synthesis of Silica Nano Bio-composites for Bi-valent metal ions extraction from their aqueous Solutions*, Vandana Singh, **Pramendra Kumar**, Somit K. Singh, Shakeel Ahamad, Sadhana Maurya, National Seminar on Contemporary Research in Material Science & Chemical Biology, January 31st to 2nd February-2010, Department of Chemistry, University of Allahabad, Allahabad.
 - *Synthesis of Silica Nano Bio-Composites With Vinyl Modified Guar Gum For Metal Binding Application*, **Pramendra Kumar**, Shakeel Ahamad, S.K. Singh, Sadanand Pandey, Dr. Vandana Singh, 12th CRIS National Symposium in Chemistry and 4th CRIS-RSC symposium in Chemistry, Feb 4-7, 2010, Jointly organized by IICT Hyderabad and NIPER, Hyderabad.
 - *Synthesis of Vinyl Modified Chitosan using Redox System via Thermal Route*, Vandana Singh, Sadhana Maurya, **Pramendra Kumar**, Somit K. Singh, **CONIAPS-XIth Conference of International Academy of Physical Sciences**, University of Allahabad, Allahabad, February 20-22, 2010, C031.
 - *Microwave Assisted Synthesis of Poly(Acrylic acid)-g-Cassia-javanica Seed Gum and its Application for Heavy Metal Extraction from Aqueous Solution*, Vandana Singh, **Pramendra Kumar**, Sadhana Maurya, Somit K. Singh, National Seminar on “Recent Trends in Chemical Sciences”, Department of Chemistry, A.P. S. University, Rewa (MP). 12-13 May 2010, (RCTS-OP-09).
 - *Enzyme immobilization on polymer-silica nanocomposites*, Vandana Singh, **Pramendra Kumar**, Devendra Singh, National seminar on “Interface of Industry, Biology and Chemistry Research in 21st Century”, Department of Chemistry, Allahabad University, Allahabad, 05-07th February, 2011, pp-13.
 - *Fabrication of silica nano bio-composites templated on to polysaccharides as potential metal adsorbent*, **Pramendra Kumar**, National Seminar on Advancements and Futuristic trends in material science (AFTMS 2011), Physics Department, M. J.P. Rohilkhand University, Bareilly, 26-27th March, 2011, OP-16.
 - *Role of synthetic polymers for the fabrication of isotropic pitch based carbon fiber*, **Pramendra Kumar** and A.C. Gangwar, National Seminar on Advancements and Futuristic trends in material science (AFTMS 2011), Physics Department, M.J.P.

Rohilkhand University, Bareilly, 26-27th March, 2011, *OP-52*.

- Synthesis and characterization of nano silica templated on to polysaccharides: Novel adsorbent bio-composites, ***Pramendra Kumar***, Vandana singh, 43rd IUPAC World Chemistry Congress, San Juan (PR), USA, 31 August- 05 May' 2011

Other Specialized programme:

- Attended UGC sponsored Orientation Programme from March 16'2005 to April 12, 2005 and obtained grade "A" at ***University of Allahabad, Allahabad***.
- Attended UGC sponsored Refresh Programme from in the subject *chemistry* from Nov. 17'2006 to Dec.7'2007 obtained grade "A" at ***University of Allahabad, Allahabad***.
- Attended National seminar on "*Emerging trends and Advance in chemical research*" during Feb. 08-10' 2009, organized by *Department of Chemistry, University of Allahabad, Allahabad*.
- Attended a SERC school on *Polymer Based Composites & Nanocomposites*" sponsored by Department of Science and Technology, Govt. of India from 26th Nov. to 1st Dec. 2007 organized by *Center for Polymer Science and Eng. (CPSE) at Indian Institute of Technology, Delhi*.