



**DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019**

Faculty details pro forma for College Website

Title	Mr.	First Name	Sanjay	Last Name	Kumar	Photograph 
Designation	Assistant Professor					
Address	Village Chhalara PO Sihunta Tehsil Bhattiyat Distt. Chamba Himachal Pradesh Pin-176207					
Phone No	Office					
	Mobile	+918882796963				
Email	<u>Sanjay.hp89@gmail.com/</u> skumar2@db.du.ac.in					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.						
M.Phil.	Department of Chemistry, Himachal Pradesh University, Shimla				2012	
PG	Department of Chemistry, Himachal Pradesh University, Shimla				2011	
UG	Himachal Pradesh University, Shimla				2009	
Any other qualification						
Career Profile						
<ul style="list-style-type: none"> • Assistant Professor at Deshbandhu College (30th October, 2014-till date) • Assistant Professor (Ad hoc) at Ramjas College, University of Delhi (25th August, 2013 - (30th October, 2015) 						
Administrative Assignments						
<ul style="list-style-type: none"> ➤ Member in various staff council committees including Cultural, Canteen, proctorial, sports etc. ➤ NSS program Officer in college from 2018 to till date 						
Areas of Interest / Specialization						
Inorganic analytical chemistry, organometallics and nanotechnology						
Subjects Taught:						
<ul style="list-style-type: none"> • Organometallics, Bio-inorganic Chemistry, Amino acids and Application of UV-Visible spectroscopy • d-block elements, coordination chemistry, crystal field theory • chemistry of p-block elements, s-block elements metallurgy 						

- Theory of atomic structure chemical bonding molecular orbital theory.

Research Guidance:

Publications Profile

As co-author published following publication:

1. A study towards the evaluation of leaching behavior of Zineb Fungicide in International Journal of Environmental Sciences D.K. Sharma, Atul Gupta and **Sanjay Kumar** 2016. **6(5)**: p. 726-736.
2. Efficacious and selective oxidation of atrazine with hydrogen peroxide catalyzed by magnetite nanoparticles: Influence of reaction media, Pratibha Kumari, **Sanjay Kumar**, Shilpi Gupta, Avinash Mishra and Arun Kumar, *ChemistrySelect* 2018, **3**, 2135- 2139.

Conference Organization/ Presentations :

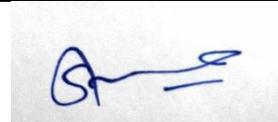
Paper presentation:

- Presented a **poster** on "Microwave assisted Synthesis of Potent Metal Complexes of Schiff Bases Derived from Carbazole moiety" in **ETFC-2016** organized by chemistry Department Kirorimal college during **February 3-4, 2016**
- Green Biosynthesis of Magnetic Fe₃O₄ Nanoparticles and their Application in Remediation of Organic Pollutants, Pratibha Kumari, **Sanjay Kumar**, 1st National Conference on Emerging Trends & Future Challenges in Chemical Sciences (ETFC -2016), organized by Kirori Mal College, University of Delhi, New Delhi (Feb. 3-4, 2016).
- Synthesis of magnetite@β-cyclodextrin nanocomposites and its application in removal of eosin and phloxine dyes, Shekhar, Himanshu Parashara, **Sanjay Kumar**, Pratibha Kumari, National conference on Trends in Nanobiotechnology (BIOTIKOS 2017), organized by Department of biotechnology, TERI University, New Delhi, India (28-29 September, 2017)
- An Enhanced Photocatalytic Degradation and mineralization of organic water pollutant using Functionalized graphene oxide, **Sanjay Kumar**, Pratibha Kumari, Tarun, Jatin Saxena, National Conference on innovations in sciences and emerging challenges in health and environment(NSHE-2018), Organized by Daulat Ram College, University of Delhi, New Delhi, India (20 March 2018).

Invited Lecture:

- Pesticides: Impact of Digitalization on sustainable environmental development At Mahamaya Degree College Mohana, Lucknow in National Seminar on "The impact of Digitalization of public services on Society" IDPSS-2018 At Lucknow (U.P) (20-21 Jan, 2018)
- As a resource person for invited talk on "Personality Development" under equity initiative of HP Govt. at Govt. College sangrah, Sirmour (HP) on 28/02/2018
- As a resource person for invited lecture on "Basic Concepts in Chemistry" under equity initiative for educationally backward, minority and SC/ST students at Govt. College Sangrah, Sirmour (HP) on 28/02/2018.

Research Projects (Major Grants/Research Collaboration)
Principal Investigator, University of Delhi: Innovation project DBC 304 Titled " Microwave assisted Synthesis of Potent Metal Complexes of Schiff Bases Derived from Carbazole moiety- A Green Approach ", 2015-2016 (Rs. 6,00,000/-).
Awards and Distinctions
Association With Professional Bodies
<ul style="list-style-type: none"> • <i>Member, The Indian Science Congress Association from 2017</i>
Other Activities
<ul style="list-style-type: none"> • Participated in One week FDP conducted by Department of Applied Chemistry & Polymer Technology, Delhi Technological University 15 Dec -26 Dec 2014 • Completed 21 days Refresher Course in Chemistry organized by HRDC HP University Summer hill Shimla from 23 Nov- 12 Dec. 2015.



Signature of Faculty Member