

Name: Sanjeev Kumar Bhardwaj

Designation: Research Associate

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Research Interest

- Development of metal organic frameworks based nano-matrices
- Nanomaterials characterization



Educational Qualification

Sr. No.	Year	Description	Subject	Board/University
1.	2019	PhD	Engineering Sciences	AcSIR-CSIO
2.	2013	M. Tech	Biotechnology	Kurukshetra University
3.	2011	B. Tech	Biotechnology	Kurukshetra University

Academic Achievements

- Third Prize at National Level Research Convention organized by All India University Association at TISS, Mumbai, India (March 2013).
- Best Poster award at World Biotech Congress 2015 held on 05-07 October 2015 at Hotel crown Plaza, New Delhi, India.
- Technology transfer to M/s Intelligent Materials Pvt. Ltd., Chandigarh for “Economical Production of Highly Porous Metal Organic Framework (MOF) from Zinc Scraps” by Dr. Akash Deep, Girish C. Mohanta, Sanjeev K. Bhardwaj and Satish Tuteja (September 2016).

Selected Publications

S. No	Authors	Title of Research Publication	Title of Journal	Impact factor	Volume/ Page No	Year
1.	Akash Deep, Mohit Saraf, Neha, Sanjeev Kumar Bharadwaj, Amit L. Sharma	Styrene Sulfonic Acid Doped Polyaniline Based Immunosensor For Highly Sensitive Impedimetric Sensing of Atrazine	Electrochimica Acta	5.116	6	2014
2.	Sanjeev K. Bhardwaj, Neha Bhardwaj, Girish C. Mohanta, Pawan Kumar, Amit Sharma, Ki-Hyun Kim, Akash Deep	Immunosensing Of Atrazine Antibody Functionalized Cu-MOF Conducting Thin Films	Applied Material and Interfaces	8.097	7	2015
3.	Jyotsana Mehta, Sanjeev K. Bhardwaj, Neha Bhardwaj, A.K Paul, Pawan KUMAR, ki-Hyun Kim, Akash Deep	Progress in Biosensing Technique for Trace Level Heavy Metals	Biotechnology Advances	9.59	15	2016
4.	Jyotsana Mehta, Neha Bhardwaj, Sanjeev K. Bhardwaj, Ki-Hyun Kim, Akash Deep	Recent Advances in Enzyme Immobilization Technique: Metal Organic Frameworks as Novel Substrate	Coordination Chemistry Review	14.49	11	2016
5.	Sanjeev K. Bhardwaj, Amit L. Sharma, Neha Bhardwaj, Manil Kukkar, Atal A.S. Gill, Ki-Hyun Kim, Akash Deep	TCNQ-doped Cu-MOF as a Novel Conductometric Immunosensing Platform for The Quantification of Prostate Cancer Antigen	Sensors and activators B: CHEMICAL		8	2017
6.	Neha Bhardwaj, Sanjeev	Bacteriophage Conjugated	New J chem	3.277	6	2016

	K. Bhardwaj, Jyotsana Mehata, Manoj K Nayak, Akash Deep	IRMOF-3 As a novel Opto Sensor for <i>S. arlettae</i>				
7.	Neha Bhardwaj, Sanjeev K. Bhardwaj, Manoj K. Nayak, Jyotsana Mehata, Ki-Hyun Kim, Akash Deep	Fluorescent Nanobiosensors of Food Borne Bacteria	Trends in Analytical Chemistry	7.034	16	2017
8.	Neha Bhardwaj, Sanjeev K. Bhardwaj, Jyotsana Mehata, Ki-Hyun Kim, Akash Deep	MOF-Bacteriophage Biosensor for Highly Sensitive and Specific Detection of <i>S. aureus</i>	Applied Materials and Interfaces	8.097	10	2017
9.	Neha Bhardwaj, Sanjeev K. Bhardwaj, Jyotsana Mehta, Ki-Hyun Kim, Akash Deep	Highly Sensitive Detection of Dipicolinic acid With a Water Dispersible Terbium MOF	Biosensors and Bioelectronics	8.173	6	2016
10.	Neha Bhardwaj, Sanjeev K. Bhardwaj, Deepanshu Bhatt, Dong Kwon Lim, Ki-Hyun Kim and Akash Deep	Optical detection of waterborne pathogens using nanomaterials	Trends in Analytical Chemistry	7.034		2019
11.	Sanjeev K. Bhardwaj, Rajnish Kaur, Neha Bhardwaj, Jyotsana Mehta, Amit L. Sharma, Ki-Hyun Kim, Akash Deep	An Overview of Different Strategies to Introduce Conductivity in MOF and Miscellaneous Applications thereof	Journal of Materials Chemistry A	9.931	18	2018
12.	Sanjeev K Bhardwaj, Girish C. Mohanta, Amit L. Sharma, Ki-Hyun Kim, Akash Deep	A three-phase copper MOF-graphene-polyaniline composite for effective sensing of ammonia	Analytica Chimica Acta	5.123	1043	2018
13.	Shashank Sundriyal, Harmeet Kaur, Sanjeev Kumar Bhardwaj, Sunita Mishra, Ki-Hyun Kim, Akash Deep	Metal-organic frameworks and their composites as efficient electrodes for supercapacitor applications	Coordination Chemistry Reviews	14.499	369	2018
14.	Rajnish Kaur, Deepak Kukkar, Sanjeev K. Bhardwaj, Ki-Hyun Kim, Akash Deep	Potential use of polymers and their complexes as media for storage and delivery of fragrances	Journal of Controlled Release	7.877	285	2018
15.	Arushi Gupta, Sanjeev K. Bhardwaj, Amit L. Sharma, Ki-Hyun Kim, Akash Deep	Development of an advanced electrochemical biosensing platform for <i>E. coli</i> using hybrid metal-organic framework/polyaniline composite	Environmental Research	4.732	171	2019