



Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Harish	Last Name	Kumar	Photograph			
Designation	Guest Faculty								
Department	Chemical Engineering								
Address (Campus) (Residence)	M.J.P. ROHILKHAND UNIVERSITY , Pilibhit By Pass Road Bareilly, 243006,(U.P) INDIA								
Phone No	+91581-2521947								
Mobile									
Fax									
Email	Harishkumar@mnnit.ac.in								
Web-Page									
Educational Qualifications (Graduation Onwards)									
Course/Degree	Institution		Year	Details/Thesis Topic/Subjects					
Ph.D (Chemical Engineering)	MNNIT ALLAHABAD		2022	Facile synthesis of nanoparticles hydrogel made from CMC obtained from various biomass waste					
M. Tech	THAPAR UNIVERSITY		2015	Adsorption of Indole and Orthophenylene diamine on Activated Carbon (2013-2015)					
B. TECH	PTU		2013	Manufacturing of paper using recyclable paper waste in Khanna Paper Mill Amritsar, Punjab					
Career Profile									
Organization / Institution		Designation	Duration	Role					
M.J.P. ROHILKHAND UNIVERSITY		Guest Faculty	31 Oct 2022- till date	Faculty					
Research Interests / Specialization									
Nanomaterials, Biopolymer Films									
Honors & Awards									
Publications /Academic Activities (Numbers Only)									
Books& Monographs (Single Author)		Research Papers Published in International Journals		Papers Presented in Seminars/ Conferences		Seminars/ Conferences Organized		Research Projects (Completed)	
Books (Co-authored)		Research Papers Published in Other Journals		Seminar/ Conferences Attended		Workshops Organized		Research Projects (Ongoing)	

Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaird in Seminars/ Conferences		Membership of Academic/ Professional Bodies		Foreign Countries Visited for Academic Assignments	
Chapters in Edited Books				Resource Lectures Delivered					

Details of Publications /Academic Activities (2010 Onwards)

(a) Books / Monographs

Year of Publication	Title	Publisher	ISBN	Co-Author (s) (if any)

(b) Papers Published in Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	ISSN/ Indexing	Impact factor
2023	Synthesis of Biodegradable Film Made from Sodium Alginate Embedded with Magnesium Nanoparticles	Theoretical Foundations of Chemical Engineering	SCI	0.8
2023	Synthesis of biodegradable carboxymethyl cellulose film-loaded magnesium nanoparticles.	Emergent materials	Scopus	3.8
2022	A review on facile synthesis of nanoparticles made from biomass wastes	Nanotechnology for Environmental Engineering	Scopus	5.25
2022	Preparation and characterization of biodegradable films obtained from coconut coir and ground nut shell for food packaging	Journal of Material Cycles Waste Management	SCI	3.1
2021	Facile synthesis and application of aluminum oxide nanoparticle based biodegradable film	Polymer Composites	SCI	3.5
2020	Development of zinc-loaded nanoparticle hydrogel made from sugarcane bagasse for special medical application	Journal of Material Cycles Waste Management	SCI	3.1
2020	Facile Synthesis of SiO ₂ /CMC/Ag Hybrids Derived from Waste Biomass (Sugarcane Bagasse) Having Special Medical Application	Journal of Nanoscience and Nanotechnology	SCI	1.134
2020	Adsorptive removal of chromium(VI) from aqueous solution using binary bio-polymeric beads made from bagasse	Applied water Science	SCI	5.5
2020	Synthesis of biodegradable films obtained from rice husk and sugarcane bagasse to be used as food packaging material	Environmental Engineering Research	SCI	3.5
2020	Development of Copper Loaded Nanoparticles Hydrogel Made from Waste Biomass (Sugarcane Bagasse) for Special Medical Application	Key Engineering Materials	Scopus	0.2
2019	Development of silver nanoparticles-loaded CMC hydrogel using bamboo as a raw material for special medical applications	Chemical Papers	SCI	2.2
2018	Synthesis and swelling behavior of superabsorbent hydrogels acquired from CMC for efficient drug delivery	Research Journal of Chemistry and Environment	Scopus	0.141

(d) Seminar/Conference Presentations

Harish Kumar, Ankur Gaur, Himanshu Gupta, Carboxymethylation of Cellulose Isolated from Rice hus Sawdust and Bamboo waste, International Conference on Renewable & Alternate Energy (ICRAE-201 (Accepted).

Harish Kumar, Ankur Gaur, Application of nanoparticles in medical field, INDUSTRIAL APPLICATION OF NANOSCIENCE AND NANOTECHNOLOGY (IANN- 2019) (National Conference)

(e) Resource Lectures Delivered

(f) Seminars/Conferences/Workshops Organized

Participated one week “Advances and Applications of Nanofluids” (Nanofluids-2018) organized by Department of Chemical Engineering MNNIT, Allahabad, 23-28 October, 2018.

Attended one week short term course on “Industrial Applications of Heat Transfer Operations” Organized by Department of Chemical Engineering, MNNIT, Allahabad, 10-14 October, 2018.

Participated in two days workshop on “Energy Efficiency Management” (EEM-2017) Sponsored by TEQIP –II MNNIT Allahabad, March 24-25, 2017.

Participated in an International Workshop on Application of Multiphysics and Inverse Modeling to Industrial Problems (AMIMIP-2016) in association with Fluidyn, France, 18-19 December, 2016.

Participated in Faculty Development Program on “Advance Topics in Fluid Flow and Heat Transfer” Organized by Chemical Engineering Department Thapar University, Patiala, Punjab, 17-18, September 2013.

Workshop on “Basics and Applications of Aspen plus” (BAAAP-2013) Organized by Chemical Engineering Department Thapar University, Patiala, Punjab, 13-14, September 2013.

(g) Public Service / University Service / Consulting Activity

(h) Memberships of Academic/Professional Bodies

Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Administrative Positions/Assignments Held

Academic Foreign Visits

Any Other Details

Note: Please submit this file to E-mail ID: rkg@mipru.ac.in through your own E-mail ID.