FACULTY PROFILE

Name	**Dr.Vimlesh Chandra**						Date of Birth:13.08.1970			
Designation	Assistant Professor				Date of holding Present Post		19 September 2013			
Name of the Department and School	Chemistry						School of Chemical Sciences			
Contact Details	Email : vchandg@gmail.com						Mobile:9630834767			
Educational Qualifications (UG onwards)	MSc, PhD									
Research Area/Specialization	Synthesis of Hybrid Nanomaterials for Wastewater Treatment and Photocatalysis									
Summary of Publications (Number only)	Research Papers	25	Books		Chapter in Books	3	Seminars/ Conferences Proceedings		Projects	

Research Projects (Completed and Ongoing):

S.No.	*Title*	*Funding Agency*	*Duration*	*Sanction order No. & Date*	*Amount in Rs. Lakh*	*Completed/ongoing*
1.	Functionalization of Graphene Sheets With Iron Oxide Nanoparticles AndHydrophilic Polymers For Decontamination Of Drinking Water	UGC Start Up Grant	2	07-02-2014	6 Lakh	completed
2	Solar Light Driven PhotocatalyticDecontamination Of Toxic Dyes And Hexavalent Chromium From Water Using Metal Phosphate	DST/SERB	3	15-03-2018	3014550	ongoing

PUBLICATIONS - 2013 onwards **:**	
International Publications(Details of Research Papers- 2013 onwards):	
2013	1. H Jabeen, KC Kemp, V Chandra*, Synthesis of nano zerovalent iron nanoparticles–graphene composite for the treatment of lead contaminated water, Journal of environmental management 130, 429-435,2013. ISSN: 0301-4797, IF=4.87 2. M Saleh, V Chandra, KC Kemp, KS Kim, Synthesis of N-doped microporous carbon via chemical activation of polyindole-modified graphene oxide sheets for selective carbon dioxide adsorption, Nanotechnology 24, 255702 , 2013. ISSN: 0957-4484, IF= 3.4 3. KC Kemp, V Chandra, M Saleh, KS Kim, Reversible CO2 adsorption by an activated nitrogen doped graphene/polyaniline material, Nanotechnology 24 , 235703, 2013. ISSN: 0957-4484, IF= 3.4 4. KC Kemp, H Seema, M Saleh, NH Le, K Mahesh, V Chandra, KS Kim, Environmental applications using graphene composites: water remediation and gas adsorption, Nanoscale 5 , 3149-3171, 2013, ISSN 2040-3372, IF = 6.97
2014	1. H. Seema, KC Kemp, NH Le, SW Park, V Chandra, JW Lee, KS Kim, Highly selective CO2 capture by S-doped microporous carbon materials, Carbon 66, 320-326, 2013. ISSN: 0008-6223, IF=7.47
2016	1. DilipKL Harijan, V Chandra*, Magnetite/graphene/polyaniline composite for removal of aqueous hexavalent chromium, Journal of Applied Polymer Science 133, 39, 2016., *ISSN* = 0021-8995, IF = 2.18 2. Dilip KL Harijan, V Chandra*, Polyaniline functionalized graphene sheets for treatment of toxic hexavalent chromium, Journal of environmental chemical engineering 4 (3), 3006-3012, 2016, ISSN: 2213-3437, IF = Not Yet 3. Dilip KL Harijan, V Chandra*, Environment friendly synthesis of magnetite–graphene composite for adsorption of toxic chromium (VI) ions from drinking water, Environmental Progress & Sustainable Energy 35 , 700-705, 2016. ISSN:1944-7450, IF= 1.59.
2017	1. Dilip KL Harijan, V Chandra*, Akaganeite nanorods decorated graphene oxide sheets for removal and recovery of aqueous phosphate, Journal of Water Process Engineering 19, 120-125, 2017. ISSN: 2214-7144, IF = 3.1.
2018	1. DilipKL Harijan, V Chandra*, T Yoon, KS Kim, Radioactive iodine capture and storage from water using magnetite nanoparticles encapsulated in polypyrrole, Journal of hazardous materials 344, 576-584, 2018. ISSN: 0304-3894, IF = 7.6.
Chapters in Books - 2013 onwards	
1.	K C. Kemp, Y Cho, V. Chandra, K S Kim *Noncovalent Functionalization of Graphene* in book Functionalization of Graphene published by Wiley-VCH Verlag GmbH & Co. KGaA 2014 , 199-218, ISBN: 9783527672790.

2,	S. Sundar Manoharan and V. Chandra, PolyPyrole composites: Studies on Ferrite-PPy composites, Developments in Nanocomposites Edited by: Kamal K. Kar, Indian Institute of Technology Kanpur, India Alma Hodzic, The University of Sheffield, UK ISBN: 978-981-08-3711-2, Extend: 698 pp, Year: 2014.
3.	V. Chandra, Graphene Based Nanocomposite for Remediation of Inorganic Pollutants in Water in book Polymeric and Nanostructured Materials: Synthesis, Properties, and AdvancedApplications, Apple Academic Press, Year 2018 ISBN - 9781771886444
International Seminar/Conference/Workshops (Attended- 2013 onwards)	
1.	ADSORPTION AND STORAGE OF RADIOACTIVE IODINE FROM WATER USING MAGNETIC POLYPYRROLE, 2018-05-11, Third International conference on nanomaterials: synthesis, characterization, and application , Mahatma Gandhi University Kottayam Kerala
2.	Graphene based hybrid materials for wastewater treatment and CO2 capturing, 2015-10-10Fourth International conference on natural polymers and biomaterials at MahatmaGandhi University Kottayam Kerla
No. of Patents Filed (with date, title and other details- 2013 onwards)	
1.	K. S. Kim, J. W. Lee, V. Chandra, I. Hwang, Y. Chun, Hybrid material comprising graphene and iron oxide ,method for manufacturing the same, and apparatus for treating waste water using the same, Patent Application No- US20140374646A1 , publication date 2014-12-25
No. of Ph.D. Awarded:	01
No. of Ph.D. Scholars working:	01
Other Academic Achievements :	
(i) Reviewer of the Journal(s) (With details of the journal(s) and duration)	
• Advances in Colloid and Interface Science, Materials Letters, Nanotechnology, J. Phys: Condense Matter, J. Hazardous Materials, Materials Research Bulletin, J. Industrial & Engineering Chemistry etc	