



Department of Chemical Engineering Malaviya National Institute of Technology, Jaipur

(2018-19)

(1) Collaborative research publications.

Sr. No.	Name of the Faculty	Name of authors and their institute	Details of published research publication	Page No.
1	Dr. Virendra Saharan	1. Divya P. Barai, Bharat A. Bhanvase Department of Chemical Engineering, LIT, Nagpur	Reduced Graphene Oxide-Fe ₃ O ₄ Nanocomposite Based Nanofluids: Study on Ultrasonic Assisted Synthesis, Thermal Conductivity, Rheology, and Convective Heat Transfer" Industrial & Engineering Chemistry Research Volume :58 / 8349-8369 (American Chemical Society)	
2	Dr. Virendra Saharan	1. Sayali Dehmukh, D.P. Kale, S. Kar, B. A. Bhanavase - Department of Chemical Engineering, LIT, Nagpur 2. Sachin R. Shirsath – Department of Chemical Engineering, Sinhad College of Engineering, Pune, Maharashtra 3. S. H. Sonawane – Department of Chemical Engineering, NIT Warangal	"Ultrasound assisted preparation of rGO/TiO ₂ nanocomposite for effective photocatalytic degradation of methylene blue under sunlight" Nano-Structures & Nano-Objects Volume :21 / 100407 / 2020 (Elsevier)	
3	Dr. Dipaloy Dutta	1. Amritendu Ghosh, Multiscale Computational Fluid Dynamics Laboratory, Department of Chemical Engineering, IIT Kharagpur 2. Hasan Uslu –Aydin University, Engineering Faculty, Food Engineering Department, Istanbul Turkey 3. Hisham S. Bamufleh - King Abdulaziz University, Jeddah, Saudi Arabia 4. Sushil Kumar, Department of Chemical Engineering, MNNIT, Allahabad, Uttar Pradesh	"Separation of Copper Ion (Cu ²⁺) from Aqueous Solution Using Tri-n-butyl phosphate and Di-2-ethylhexyl phosphoric Acid as Extractants" Journal of Molecular Liquids Volume :258 / 147-154 / 2018 (Elsevier)	
4	Dr. Sonal	1. Ejaz Ahmada, Sreedevi Upadhyayulaa, Kamal K. Panta, Department of Chemical Engineering, IIT Delhi	"Biomass-derived CO ₂ rich syngas conversion to higher hydrocarbon via Fischer-Tropsch process over FeCo bimetallic catalyst" International Journal of Hydrogen Energy Volume :44 / 27741 / 2019 ISBN: 0360-3199 (Elsevier)	

5	Dr. V. Subba Ramaiah/ Dr. U .K. Arun Kumar	1. Vijayalakshmi Gosu – Department of Chemical Engineering , Jai narayan University, Jodhpur 2. Tian Zhang – Department of Civil Engineering, University of Nebraska, Lin Coin, USA	"Wet peroxidation of resorcinol catalyzed by copper impregnated granular activated carbon" Journal of Environmental Management Volume :223 / 825-833 / 2018 ISBN: 0301-4797 (Elsevier)	
6	Dr. Madhu Agarwal/Dr. S.P. Chaurasia	1. Ajay K. Dalai - Department of Chemical and Biological Engineering, College of Engineering university of Saskatchewan, Canada	"Preparation and characterisation of Cao nanoparticle for biodiesel production from mixture of edible and non-edible oils" International Journal of Renewable Energy Technology Volume :9 / 50-65 / 2018 (Inderscience)	
7	Dr. Madhu Agarwal	1. Ajay K. Dalai - Department of Chemical and Biological Engineering, College of Engineering university of Saskatchewan, Canada	"Intensified transesterification of mixture of edible and nonedible oils in reverse flow helical coil reactor for biodiesel production" Renewable Energy Volume :134 / 509-525 / 2019 (Elsevier)	
8	Dr. R. K. Vyas/ Dr. Kailash Singh	1. Ajay K. Dalai - Department of Chemical and Biological Engineering, College of Engineering university of Saskatchewan, Canada	"Degradation of a synthetic binary dye mixture using reactive adsorption: Experimental and modeling studies" Journal of Environmental Chemical Engineering Volume :6 / 5732-5743 / 2018 ISBN: ISSN: 2213-3437 (Elsevier)	
9	Dr. S. P. Chaurasia/ Dr.	1. A. Jain : Banasthali University 2. R. Dhabhai : University of Saskatchewan, Canada 3. Ajay K. Dalai - Department of Chemical and Biological Engineering, College of Engineering university of Saskatchewan, Canada	Bioethanol Production in a Pervaporation Membrane Bioreactor ISBN:13:978-1138095427 published by - CRC Press, Taylor And Francis Group Year:2018	
10	Dr. S. P. Chaurasia/Dr. Sushant Upadhyay	1. A. Jain : Banasthali University 2. A. K. Dalai: Department of Chemical and Biological Engineering, College of Engineering university of Saskatchewan, Canada	Pervaporation for ethanol-water separation and effect of fermentation inhibitors ISBN:978-1-119-41822-1 published by - John Wiley & Sons Year:2018	
11	Dr. S. P. Chaurasia/Dr. Sushant Upadhyay	1.S. Sridhar: IICT, Hyderabad	Glycerol Purification Using Membrane Technology ISBN:978-1-449-41822-1 published by - John Wiley & Sons Year:2018	

(2) **Visit to other Institutions with date & Purpose.**

Sr. No.	Name of the Faculty	Institute visited	Date of visit	Purpose of visit	Page Nos.
1	Dr. Virendra Saharan	Parul University Gujrat	2019	Panel Discussion (Global Satellite Event)	
2	Dr. Virendra Saharan	Parul University Gujrat	2019	Invited Speaker (Global Satellite Event)	
3	Dr. Virendra Saharan	Global Network For Researchers, Istanbul, Turkey	2019	Co-Chair (Technical Session) 1st International Conference on Water, Energy and Environment Nexus	

(3) **Invited lectures / talks delivered/ Conference chair /Resource person in other Institutions/Seminar/Conference/Workshop/Short Term Course organized/chaired outside the MNIT, Jaipur**

Sr. No.	Name	Designation	Title of Event	Place	Date(s)	Funding Agency	Page No.
1	Dr. Manish Vashistha	Session Chair	71 st Annual Session of CHEMCON -2018	IICHe	27-30 December 2018		

Keynote addresses delivered by the Faculty in Seminar/Symposia/Workshop/Conference

Sr. No.	Name of the Faculty	Title of Event	Place	Date(s)	Title of Keynote address	Funding Agency	Page No.
1	Dr. Sushant Upadhyay	TEQIP-III sponsored FDP on : Research Methodology	RTU, Kota	22-24 August 2018	Linear Regression Analysis using MATLAB		
2	Dr. Sushant Upadhyay	National Workshop on Data Analytics with SPSS" conducted by Department of Psychology	AMU Aligarh	Sep-2018	Linear and Non Linear Regression Analysis by MATLAB		
3	Dr. Sushant Upadhyaya	International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM 2019)	AMITY Rajasthan	Feb-2019	Emerging Science		

(4) **Positions held in Professional Societies and Institutes at National / International level.**

Sr. No.	Name of the Faculty	Details of Institute/ Professional Bodies	Details of position held	Tenure of the position	Page Nos.
1.	Dr. Madhu Agarwal	IICChE	Member of Council	2019-21	

(5) **Conferences/ FDPs/ Workshops/ Trainings/ Courses attended etc.**

Sr. No.	Name	Title of Event	Place	Funding Agency	Date(s)	Page No.
1	Dr. S. P. Chaurasia	Leadership for Academicians Programme	IIT-Kanpur/NTU-Singapore	CPDA	Nov.- Dec. 2018	

(6) **Activities related to NAAC/ UGC/ AICTE/ TEQIP/ NPIU/ UPSC/ RPSC etc.**

Sr. No.	Name of the Faculty	Name of the body	Details of position held	Tenure of the position	Page No.
1.	Dr. Suja George	Govt. of India	Member of State Level expert Appraisal Committee	12/09/2018	
2.	Dr. Manish Vashishtha	AICTE	State Coordinator	December 2018	

(7) **Any other relevant point.**

1	Dr. Madhu Agrawal	Manipal University Jaipur	UG Examiner	29 May 2019	
2	Dr. S. P Chaurasia	NTU, Singapore	Participation in “Building World Class universities programme”	03-08 December 2018	
3	Dr. S. P Chaurasia	HBTU, Kanpur	Research Doctoral Committee	04.09.2018	