



Department of Chemical Engineering Malaviya National Institute of Technology, Jaipur

(2017-18)

(1) Collaborative research publications.

| Sr. No. | Name of the Faculty | Name of authors and their institute | Details of published research publication | Page Nos. |
|---------|---------------------|--|---|-----------|
| 1 | Dr. Dipaloy Dutta | 1. N. Thakre ; Department of Chemical Engineering, IIT Kharagpur – 721302, India 2. A. K. Prajapati ; Department of Chemical Engineering, IESI, Indore – 452012, India 3. P. K. Chaudhari ; Department of Chemical Engineering, NIT Raipur, Raipur – 492010, India 4. D. Pal ; Department of Chemical Engineering, NIT Raipur, Raipur – 492010, India | "Reactive Extraction of Citric Acid Using Different Extractants: Equilibrium, Kinetics and Modeling" CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY Volume :34 / 509-518 / 2017 (CROATIAN SOC CHEMICAL ENGINEERING TECHNOLOGY) | |
| 2 | Dr. Dipaloy Dutta | 1. Hasan Uslu –Aydin University, Engineering Faculty, Food Engineering Department, Istambul Turkey | "Adsorption of Levulinic Acid from Aqueous Solution by Amberlite XAD-4" Journal of Molecular Liquids Volume :234 / 330-334 / 2017 (Elsevier) | |
| 3 | Dr. Dipaloy Dutta | 1. Hasan Uslu –Aydin University, Engineering Faculty, Food Engineering Department, Istambul Turkey 2. Hissam S. Bamufleh – Chemical and Material Engineering Department, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia | "Solvent Polarity Effect when Amberlite-LA2 Is Used in the Extraction of Picric Acid" Journal of Chemical & Engineering Data Volume :62 / 1125-1129 / 2017 (ACS) | |
| 4 | Dr. Dipaloy Dutta | 1. Hasan Uslu –Aydin University, Engineering Faculty, Food Engineering Department, Istambul Turkey 2. Hissam S. Bamufleh – Chemical and Material Engineering Department, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia | "Zn ⁺² Ion Adsorption from Aqueous Solution Using Montmorillonite Clay Impregnated with Tri-n-octylamine (TOA)" Journal of Chemical & Engineering Data Volume :62 / 1125-1129 / 2019 (ACS) | |

| | | | | |
|----|---|---|---|--|
| 5 | Dr. Dipaloy Dutta | 1. B. V. Babu – Computer Science and Engineering, Graphic Era university, Dehradun, Uttarakhand 2. Sushil Kumar – Department of Chemical Engineering, MNNIT , Allahabad, Uttar Pradesh | "Equilibrium and Thermodynamic Studies on Reactive Extraction of Nicotinic Acid using a Biocompatible Extraction System" Journal of Chemical & Engineering Data Volume :62 / 3431-3436 / 2017 (ACS Publications) | |
| 6 | Dr. R. K. Vyas | 1. Ajay K. Dalai - Department of Chemical and Biological Engineering, College of Engineering university of Saskatchewan, Canada | "Thermodynamic and kinetic studies of Methylene Blue degradation using reactive adsorption and its comparison with adsorption" Journal of Chemical & Engineering Data Volume :62 / 3651-3662 / 2017 ISBN: ISSN: 1520-5134 (ACS) | |
| 7 | Dr. R. K. Dohare/Dr. Kailash Singh/Dr. Sushant Upadhyay/Dr. Madhu Agrawal | 1. V. P. Singh – Department of Electrical Engineering, NIT- Raipur, Chhattisgarh | a Review: Control of Reactive Divided Wall Distillation Column" International Journal of Advanced Technology and Engineering Exploration Volume :4 / 28 / 2017 (Accent) | |
| 8 | Dr. Sushant Upadhyay/Dr. Kailash Singh/Dr. S. P. Chaurasia/Dr. R. K. Dohare | 1. Jitendra Kumar Singh – Department of Chemical Engineering , JKLU, Jaipur | "Sensitivity analysis and Taguchi application in vacuum membrane distillation" Membrane Water Treatment Volume :9 / 435-445 / 2018 (Techno-Press) | |
| 9 | Dr. S. P. Chaurasia | 1. A. Jain : Banasthali University 2. Ajay K. Dalai - Department of Chemical and Biological Engineering, College of Engineering university of Saskatchewan, Canada | "Estimation of Permeance and Activation Energy for Separation of Ethanol from Ethanol/Water Binary Mixture by Pervaporation with PDMS Membrane" International Journal of Research and Scientific Innovation Volume :4 / 113-119 / 2017 ISBN: 2321–2705 (International Journal of Research and Scientific Innovation) | |
| 10 | Dr. S. P. Chaurasia/ Dr. Sushant Upadhyay | 1. Jitendra Kumar Singh – Department of Chemical Engineering , JKLU, Jaipur | "Treatment of Sudan III dye form Waste water using vacuum membrane distillation" Journal of Basic and Applied Engineering Research Volume :4 / 237-241 / 2017 (Krishi Sanskriti) | |
| 11 | Dr. S. P. Chaurasia/ Dr. Sushant Upadhyay | 1. Jitendra Kumar Singh – Department of Chemical Engineering , JKLU, Jaipur | "Study on Membrane fouling in Vacuum Membrane Distillation for Desalination" Journal of Basic and Applied Engineering Research Volume :4 / 229-233 / 2017 (Krishi Sanskriti) | |
| | | | | |

(2) **Collaborative research projects / consultancy.**

| Sr. No. | Name of the Faculty | Collaborative institute | Title of the project | PI-co-PIs | Amount (INR) | Status of the project (completed/ongoing) | Page Nos. |
|---------|---------------------|---|--|-----------|--------------|---|-----------|
| 1 | Dr. S. P. Chaurasia | Department of Medical and Health Govt. of Rajasthan | Online Recruitment Process | NA | 2360000 | Ongoing | |
| 2 | Dr. S. P. Chaurasia | PHED | Training of PHED engineers on different approved topics | NA | 7935000 | Completed | |
| 3 | Dr. S. P. Chaurasia | JECRC university | Mass Transfer Operations Lab – II and Reaction Kinetics Lab for BTech students | NA | 138000 | Completed | |
| 4 | Dr. S. P. Chaurasia | JECRC university | Mass Transfer Operations Lab, Heat Transfer and Mechanical Operations Lab for BTech students | NA | 227000 | Completed | |
| 5 | Dr. S. P. Chaurasia | PHED | Training of PHED engineers | NA | 6930000 | Completed | |
| | | | | | | | |

(3) **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 | SRM University, Chennai | 2017 | Invited Talk (Asia-Oceania Sonochemical Society (AOSS-3)) | |
| | | | | | |

4) 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 Nos. |
|---------|----------------------|--|--|----------------|--|----------------|-----------|
| 1 | Dr Sushant Upadhyaya | Workshop for FD Advanced Mathematical and Computational Methods in Engineering | Bundelkhand Institute of Engineering & Technology, Jhansi under TEQIP II., | March 20, 2017 | Advanced Mathematical and Computational Methods in Engineering | BIET, Jhansi. | |
| 2 | Dr. V.K. Saharan | 3rd Asian Oceania Sonochemical Society (AOSS) Conference | SRM University, Chennai | Sep, 2017 | Hydrodynamic and Acoustic cavitation assisted preparation of Oil in water emulsion stabilized with non-ionic emulsifiers and biopolymers | N.A | |
| 3 | Dr. Manish Vashistha | ICEST-2018 | Prague, Czrch Republic | June 2018 | Modelling and Simulation of Nutrient Release From Neem (Azadirachta Indica) Oil Coated Urea | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

(4) Conferences/ FDPs/ Workshops/ Trainings/ Courses attended etc.

| Sr. No. | Name | Title of Event | Place | Funding Agency | Date(s) | Page Nos. |
|---------|-------------------|--|-------------|--------------------|-------------------|-----------|
| 1 | Dr. Shiv Om Meena | International Conference on Energy and Environment Global Challenges (ICEE-2018) | NIT Calicut | MNIT JAIPUR (CPDA) | Mar 09 & 10, 2018 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

(5) **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. Alok Gupta | IICChE | Life Member | -- | |
| 2. | Dr. Suja George | IICChE | Life Member | -- | |
| 3. | Dr. Kailash Singh | IICChE | Life Member | -- | |
| 4. | Dr. R. K. Dohare | IICChE | Life Member | -- | |
| 5. | Dr. Shiv Om Meena | IICChE | Life Member | -- | |
| 6. | Dr. Dipaloy Dutta | IICChE | Life Member | -- | |
| 7. | Dr. Sushant Upadhyaya | IICChE | Life Member | -- | |
| 8. | Dr. Prabhat Pandit | IICChE | Life Member | -- | |
| 9. | Dr. V. Subbaramaiah | IICChE | Life Member | -- | |
| 10. | Dr. V. K. Saharan | IICChE | Life Member | -- | |
| 11. | Dr. S. P. Chaurasia | IICChE | Life Member | -- | |
| 12. | Dr. Manish Vashishtha | IICChE | Life Member | -- | |
| 13. | Dr. Madhu Agarwal | IICChE | Life Member | -- | |
| 14. | Dr. U. K. Arun Kumar | IICChE | Life Member | -- | |
| 15. | Dr. Md. Oayes Midda | IICChE | Life Member | -- | |
| 16. | Dr. Kailash Singh | InDA | Life Member | -- | |
| 17. | Dr. Madhu Agarwal | InDA | Life Member | -- | |
| 18. | Dr. Sushant Upadhyaya | InDA | Life Member | -- | |
| 19. | Dr. R. K. Dohare | InDA | Life Member | -- | |
| 20. | Dr. V. Subbaramaiah | InDA | Life Member | -- | |
| 21. | Dr. Dipaloy Dutta | InDA | Life Member | -- | |

| | | | | | |
|-----|----------------------|--|---|-----------|--|
| 22. | Dr. U. K. Arun Kumar | InDA | Life Member | -- | |
| 23. | Dr. V. K. Saharan | InDA | Life Member | -- | |
| 24. | Dr. S. P. Chaurasia | Institution of Engineers | Fellow | June 2017 | |
| 25. | Dr. S. P. Chaurasia | IChE | Council Member | 2016-18 | |
| 26. | Dr. S. P. Chaurasia | InDA | President | --- | |
| 27. | Dr. S. P. Chaurasia | Indian Society for Technical Education | Life Member | | |
| 28. | Dr. S. P. Chaurasia | IChE | Convener of the regional center affairs committee | 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 Nos. |
|---------|---------------------|------------------|---|------------------------|-----------|
| 1. | Dr. Suja George | UPSC | Interview Board Member JWM | 30/10/2017 | |
| 2. | Dr. S. P. Chaurasia | NAAC | Member of peer team | 17-19 November 2017 | |
| 3. | Dr. S. P. Chaurasia | RPSC | Expert/ Advisor for selection of Lecturer | 2017 | |
| | | | | | |
| | | | | | |

(7) **Positions held in BOS/ Academic Council/ Executive council/ BOG/ Senate of other Institutes/ Universities.**

| Sr. No. | Name of Faculty | Name of the Institute | Details of position held | Tenure of the position | Page Nos. |
|---------|---------------------|--|---|------------------------|-----------|
| 1 | Dr. S. P. Chaurasia | Ujjain Engineering College, Ujjain | Member of board of studies | 2017 | |
| 2 | Dr. S. P. Chaurasia | Madan Mohan Malaviya Technological University, Gorakhpur | Member of Departmental Advisory Committee | 2018-19 | |
| 3 | Dr. S. P. Chaurasia | Amity University | SRDC | 2017 | |
| | | | | | |
| | | | | | |

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

| Sr. No. | Name of Faculty | Name of the Institute | Details | Date | Page Nos. |
|---------|---------------------|-------------------------------|--|---------------------|-----------|
| 1 | Dr. S. P. Chaurasia | Banasthali University, Jaipur | Expert member of selection committee | 19.07.2017 | |
| 2 | Prof. R. K. Vyas | Thapar University, Patiala | To conduct Viva-Voce Examination of Ph. D. | September 1-2, 2017 | |
| 3 | Prof. R. K. Vyas | NIT Hamirpur | Selection committee member for recruitment of lecturer on contract basis | 26-28 February 2018 | |
| | | | | | |
| | | | | | |