

SOM SHANKAR DUBEY

Professor
Department of Chemistry,
Deen Dayal Upadhyaya Gorakhpur University
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ACADEMIC QUALIFICATIONS

- Bachelor's Degree in **Science** (Banaras Hindu University) - 1997
- Master's Degree in **Analytical Chemistry** (Banaras Hindu University) - 1999
- Ph. D in **Surface Chemistry** (Banaras Hindu University) - 2004

TITLE OF Ph.D THESIS

"Removal behavior of some metal oxides for cesium, cerium and mercury ions - A radiotracer study"

ACADEMIC ACHIEVEMENTS

BOOK PUBLISHED:

"Removal of Radiotoxic Metal Ions" (ISBN 978-3-659-16588-7) LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Street 6-866121, Saarbrücken, Germany (16th July 2012).

"Adsorption of La(III), Sm(III) and Y(III) Ions on nano-metal oxides" (ISBN 978-3-659-62965-5) LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Street 6-866121, Saarbrücken, Germany (29th July 2019).

"Method Development & Validation of Drugs by Chromatographic Technique" (ISBN 978-620-0-53323-4) LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Street 6-866121, Saarbrücken, Germany (14th January 2020).

BOOK REVIEW:

Reviewed book **"Engineering Chemistry"** published by **Pearson Education**, Chennai, 2010.

PROJECTS SACTIONED:

1. Adsorption of The Rare Earth Ions Using Metal Oxide Nano Particles **(MRP-MAJOR-CHEM-2013-15298)**: University Grants Commission, New Delhi (Amount: 11,31,600/-) From: 01.07.2015 to 30.06.2018 (Principal Investigator).
2. Development of novel Carboxamide based ligands to detect hazardous elements (Hg^{2+} , Pb^{2+} and $\text{As}^{3+/5+}$): Department of Higher Education, Government of Uttar Pradesh (Amount: 2,31,000/-), 31.03.2021 (Co-Investigator)

AWARDS:

1. Best teacher award from Department of Higher Education, Uttar Pradesh Government (5th September 2021)
2. Best teacher award from Deen Dayal Upadhyay Gorakhpur University (5th September 2021)
3. Best teacher award from Deen Dayal Upadhyay Gorakhpur University (5th September 2022)
4. Kashi Bhusan Ratan Alankar from Janta Hitaya Samiti, Uttar Pradesh, Varanasi (7th November 2022)
5. Kashi Ratan for Science stream from Indian Association of Journalist, Varanasi Chapter, Varanasi (29th May 2023)

INVITED SPEAKER IN ACADEMIC INSTITUTIONS:

1. New dimensions in antidiabetic drugs: Ashoka Institute of Technology & Management, Varanasi, May 05th, 2012.
2. Intellectual property Awareness: Council of Science and Technology, Beer Bhadur Planetarium, Tramandal, Gorakhpur, 20th June 2019.
3. Teacher's Training Workshop: Council of Science and Technology, Beer Bhadur Planetarium, Tramandal, Gorakhpur, 09th July 2019.
4. National Science Day (Kaun Banega Nanha Kalam): Council of Science and Technology, Beer Bhadur Planetarium, Tramandal, Gorakhpur, 28th February 2020.
5. Principles and application of SEM and TEM (Faculty Development Program) Andhra Pradesh Academy of Sciences and Department of Chemistry, K L University, Guntur, 29th July 2021 (2.30-4.00 pm).
6. Principles and application of SEM and TEM (12th Refresher Course in Chemistry) UGC-Human Resource Development Center and Department of Chemistry, Deen Dayal Upadhyay Gorakhpur University, 15th September 2021 (12.00-1.30 pm).

MEMBER OF THE TECHNICAL COMMITTEE FOR THE INTERNATIONAL CONFERENCE:

1. 2011 International Conference on Chemistry and Chemical Process–**ICCCP 2011** (www.icccp.org), Bangkok, Thailand, May 7-9, 2011.
2. Asian Conference on Science Technology & Medicine (**ACSTM-2019**), February 12-14, 2019, Dubai, UAE at the Carlton Palace Hotel.
3. 27th State Level National Children`s Science Congress-2019 (Department of Science & Technology, Government of Uttar Pradesh), December 4-6, 2019, RPM Academy, Green City, Gorakhnath, Gorakhpur.

MEMBER OF INTERNATIONAL SOCIETY:

1. Asia-Pacific Chemical, Biological& Environmental Engineering Society (**APCBEEES**), Hong Kong, (Senior Membership no. **100779**).
2. Asia-Pacific Chemical, Biological& Environmental Engineering Society (**APCBEEES**), Hong Kong, (Membership no. **200099**).
3. International Association of Computer Science and Information Technology (**IACSIT**), Singapore, (Membership no. **80340669**).
4. **IACSIT Applied Chemical Engineering Society (ACES)**, Singapore.
5. International Association of Engineers (**IAENG**), Hong Kong, (Membership no. **113183**).
6. **IAENG Society of Chemical Engineering**, Hong Kong
7. **The Indian Science Congress Association** (Membership no. **L31193**)
8. **American Chemical Society** – Community Member (**30130330** on 28.05.2020)
9. **Asian Council of Science Editors** (Membership no **91.10853**, 22nd March 2021)
10. **Andhra Pradesh Akademi of Sciences** (Associate Fellow, 2021)

SEMINARS/CONFERENCES ORGANIZED:

(Organizing Committee Member)

1. National Conference on Emerging Trends in chemical Research (NCETCR 2012), Department of Chemistry, Gitam Institute of Technology, Gitam University, Visakhapatnam 530045, 7-8th September 2012.
2. International Conference & Exhibition on Materials & Engineering (ICEME-2018) during Feb 7-9, 2018, USA hosted by Materials -2018, San Diego, USA
3. One day workshop on National Science Day, Department of Chemistry, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur 273009, 28th February 2019.
4. International Conference on Chemical Science and Chemical Engineering (CSCE) 20-22 April, 2020 at Dubai (<http://cscedubai.org/>)
5. National Conference on Molecules to materials for Sustainable Development (Sponsored by COE) March 25-26, 2022, Department of Chemistry, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur 273009.

Refresher Courses/Summer School/Faculty Development Programme:

- 1). 1st Refresher Course in Information and Communication Technology Applications (23 May 2009 to 12 June 2009) **Banaras Hindu University**, Varanasi.
- 2). Summer School on Catalyst Characterization, and Reactor Design (May 22 to June 03, 2000) Institute of Technology, **Banaras Hindu University**, Varanasi.
- 3). Faculty Development Programme on Future Scope of Chemical Science and Research Methodology (FSCSRM-2020), 21st to 25th September, 2020, Department of Chemistry & Environmental Science, **Madan Mohan Malaviya University of Technology**, Gorakhpur, Uttar Pradesh, India
- 4). AICTE Sponsored Online Short-Term Training Program on “Recent Advances in Separation Processes” RASP 2020, November 12th – November 19th 2020, Department of Chemical Engineering, **Pondicherry Engineering College**, Puducherry
- 5) AICTE Sponsored Faculty Development Program on “Environmental and Sustainable Chemical Engineering” ESCE 2020, December 10th – December 23th 2020, Department of Chemical Engineering, **Pondicherry Engineering College**, Puducherry
- 6) Multidisciplinary Approaches in Research and Basic Teaching Methodologies in 21st Century (FDP-MARBTC 2020)” held on 14-21 December 2020 organized by Department of Chemistry, **Ram Ratan Singh College**, Mokama, Bihar).
- 7) Professional Development Programme for Faculties in Higher Education: New Perspectives of Teaching, Learning and Research, UGC-HRDC and ICT Cell, **DDU Gorakhpur University**, Gorakhpur (June 23-29, 2021)

ACADEMIC PARAMETERS:

Research Gate H-Factor	18
Scopus Citations (excluding self citations)	70
Google h-index	15
Google Citations	970
Google i10-index	17
Research Gate	217.74
Total Impact Factor	100.603

Orcid ID: [0000-0002-5294-1596](https://orcid.org/0000-0002-5294-1596), Researcher ID: A-5408-2011, Scopus ID: 55417259900, Social Science Research Network (SSRN) Author ID: 4385494

WORK EXPERIENCE:

Position Held	Experience
Professor, Department of Chemistry, Deen Dayal Upadhyaya Gorakhpur University Gorakhpur 273009	16 th July 2021 to till date
Associate Professor, Department of Chemistry, Deen Dayal Upadhyaya Gorakhpur University Gorakhpur 273009	16 th July 2018 to 16 th July 2021
Associate Professor (Engineering Chemistry), at GIT, GITAM, University, Visakhapatnam 530045	July 20 th 2016 to 10 th July 2018
Assistant Professor (Engineering Chemistry), at GIT, GITAM, University, Visakhapatnam 530045	August 16 th 2004 to July 20 th 2016
Under Graduate Teaching, Jagatpur, Post Graduate College, Jagatpur, Varanasi	September 1 st 2000 to April 30 th 2004

ADMINISTRATIVE DUTIES AT GORAKHPUR UNIVERSITY:

1. Member of Academic Council, Gorakhpur University
2. Member Departmental Committee
3. Member in Board of Studies
4. Incharge of departmental library
5. Incharge of B.Sc II year laboratory

RESEARCH GUIDANCE:

1. **Mr. B. V. Kiran 1264009303** (Development and Validation of Reverse Phase HPLC Assay Methods for the Estimation of Selected Drugs in Pharmaceutical Formulations) **March 2014, Gitam University, Visakhapatnam.**
2. **Mr D. Mahesh 1263112409**(Method Development and Validation of Antiretroviral Drugs by Using Chromatographic Techniques) **April 2018, Gitam University, Visakhapatnam.**
3. **Mrs. Sarika Grandhi 1263112204** (Studies of The Adsorption Kinetic And Thermodynamic Parameters For La(III), Sm(III) And Y(III) Ions on Nano-Metal Oxides) April 2019, Gitam University.

DISSERTATION OF POST GRADUATE STUDENTS:

1. **Priya Pandey 2213890010010** (enrolment no DDU0012205240) **Nanomaterial Synthesis, Characterization and Application, 26th June 2023 (2021-2023)**

PAPER PUBLISHED

1. Ion-exchangers in radioactive waste management Part XIV: Removal behavior of hydrous titanium oxide and sodium titanate for Cs (I): **J. Radioanal. Nucl. Chem.** **261(2)**, (2004), 457-463. (Impact factor: 1.186, ISSN: 0236-5731)
S.P. Mishra, **S.S. Dubey** and D. Tiwari
2. Removal of mercury ions from aqueous solutions by composite of polyaniline with polystyrene: **Separation and Purification Technology**, **38**, (2004), 225-232. (Impact factor: 5.107, ISSN: 1383-5866)
R.K. Gupta, R.A. Singh and **S.S. Dubey**
3. Toxic waste removal from aqueous solutions by polyaniline: A Radiotracer Study: **Adsorption Science and Technology**, **22(6)**, (2004), 485-496. (Impact factor: 1.200, ISSN: 0263-6174)
R.K. Gupta and **Som Shankar**
4. Inorganic particulates in removal of heavy metal toxic ions IX: Rapid and efficient removal of Hg (II) by hydrous manganese and tin oxides: **J. Colloid and Interface Science**, **279**, (2004), 61-67. (Impact factor: 6.361, ISSN: 0021-9797)
Shuddhodan P. Mishra, **Som Shankar Dubey** and Diwakar Tiwari
5. Removal behavior of Babool bark (*Acacia Nilotica*) for submicro concentrations of Hg²⁺ from aqueous solutions: A Radiotracer study: **Separation and Purification Technology**, **41**, (2005), 20-28. (Impact factor: 5.107, ISSN: 1383-5866)
S.S. Dubey and R.K. Gupta
6. Removal of Cesium Ions from Aqueous Solution by Polyaniline: A Radiotracer Study: **Journal of Polymer Research** **12**, 1, (2005), 31-35. (Impact factor: 1.530, ISSN: 1022-9760)
R. K. Gupta and **S. S. Dubey**
7. Equilibrium studies for Cs (I) adsorption on Hydrous Ferrous Oxide: **Advances in Applied Research** **2**, 1, (2010), 20-28. (ISSN: 0974-3839)
Som Shankar Dubey and Batulla Sreenivasa Rao
8. Effect of Nonionic Surfactant (Triton X-100) on the Spectrophotometric Determination of Lead (II) With Potassium Benzyl Xentate: **Asian Journal of Chemistry** **22**, 10, (2010), 7567-7572. (Impact factor: 0.142, ISSN: 0970-7077)
Battula Sreenivasa Rao, **Som Shankar Dubey**, A.V.D. Nagendra Kumar and B. Srinivasa Reddy
9. Equilibrium Studies for Hg (II) Adsorption from Aqueous Solutions by Hydrous Ferric Oxide and Tungsten Oxide: **Asian Journal of Research in Chemistry** **3**, 3, (2010), 591-595. (ISSN: 0974-4169)
Som Shankar Dubey, Battula Sreenivasa Rao and A.V.D. Nagendra Kumar
10. New Extractive and Spectrophotometric Determination of Mercury (II) by using isonitroso p-isopropyl Actophenone Phenyl Hydrazone: **Acta Ciencia Indica** **36C**, 3, (2010), 235-240. (ISSN: 0253 - 7338)
Battula Sreenivasa Rao, A.V.D. Nagendra Kumar, **Som Shankar Dubey** and Y Sunandamman

11. Determination of Iron (III) in Food and Pharmaceutical Sample by New Extractive – Spectrophotometric Method with Potassium Isobutyl Xanthate: **Indian Council of Chemist** **27**, 2 (2010), 227-231. (ISSN: 0971-5037)
Battula Sreenivasa Rao and **Som Shankar Dubey**
12. Removal of Cerium ions from Aqueous Solution by Hydrous Ferric Oxide – A Radiotracer Study: **Journal of Hazardous Materials** **186**, 2-3, (2011), 1028-1032, (doi:10.1016/j.jhazmat.2010.11.085). (Impact factor: 7.650, ISSN: 0304-3894)
Som Shankar Dubey and Battula Sreenivasa Rao
13. O-Anisidine as Indicator in Titrimetric Determination of Ascorbic Acid and Isonicotinic Acid Hydrazide in Pharmaceutical Formulations: **Indian Journal of Applied Biology and Pharmaceutical Technology** **1**, 2 (2010), 221-230. (Impact factor: 1.450, ISSN: 0976-4550)
B.S.A. Andrews, B. Sreenivas Rao, **Som Shankar Dubey** and B. Venkata Kiran
14. Efficient Removal of Ce (III) and Eu (III) Ions from Aqueous Solutions by Local Clay –A Radiotracer Study: **E Journal of Chemistry (Journal of Chemistry)** **8**, 1, (2011), 917-923. (Impact factor: 1.727, ISSN: 2090-9810)
Som Shankar Dubey, Battula Sreenivasa Rao, B.S.A. Andrews and B. Venkata Kiran
15. Titrimetric Determination of Ascorbic Acid and Isonicotinic Acid Hydrazide in Drug Formulations with Chloramine-T as Oxidant: **International Journal of Pharmacy and Technology** **2**, 4, (2010), 886-899. (ISSN: 0975-766X)
B.S.A. Andrews, B. Sreenivas Rao, **Som Shankar Dubey** and B. Venkata Kiran
16. Kinetic-Spectrophotometric Determination of Trace Amounts of Vanadium (V) Based on its Catalytic Effect on the Reaction of O-Anisidine and Potassium Bromate: **Asian Journal of Chemistry** **23**, 10, (2011), 4419-4424. (Impact factor: 0.247, ISSN: 0970-7077)
B.S.A. Andrews, Battula Sreenivas Rao, **Som Shankar Dubey**, D. Malleswara Rao and B. Venkat Kiran
17. Nano Fabricated Drug Delivery Devices: **International Journal of Pharmacy and Technology** **2**, 4, (2010), 565-573. (ISSN: 0975-766X)
Som Shankar Dubey, Battula Sreenivas Rao
18. Determination of Chromium (VI) in Goa Beans and Soya Leaves Sample by New Extractive – Spectrophotometric Method with Isonitroso p-isopropyl Acetophenone Phenyl Hydrazone: **Asian Journal of Research in Chemistry** **4**, 2 (2011), 313-315. (ISSN: 0974-4169)
B. Sreenivasa Rao, **Som Shankar Dubey**, B.S.A. Andrews and A.V.D. Nagendra Kumar
19. Kinetic-Spectrophotometric Determination of Trace Amounts of Iron (II) Based on its Catalytic Effects on the Reaction of O-Anisidine and Potassium Bromate: **Journal of Chemistry and Pharmaceutical Research** **2**, 6, (2010), 359-368. (ISSN: 0975-7384)
B.S.A. Andrews, Battula Sreenivas Rao, **Som Shankar Dubey** and D. Malleswara Rao
20. Kinetic-Spectrophotometric Determination of Trace Amounts of Copper (II) Based on its Catalytic Effects on the Reaction of O-Anisidine and Potassium Bromate: **World journal of pharmaceutical research** **2**, 1, (2011), 01-21. (Impact factor: 8.084, ISSN: 2277-7105)
Som Shankar Dubey, Y. Sunanadamma and Battula Sreenivas Rao

21. Effect of Nonionic Surfactant Micellar (Triton X-100) on the Spectrophotometric Determination of Lead (II) with Isonitroso p-isopropyl Acetophenone Phenyl Hydrazone: **Journal of Chemistry and Pharmaceutical Research** **3**, 1, (2011), 508-514. (ISSN: 0975-7384)
Y. Sunandamma, **Som Shankar Dube** and Battula Sreenivasa Rao
22. Kinetic-Spectrophotometric Determination of Co (II) in Vegetable Samples by Using Indigo-Caramine: **International Journal of Pharmaceutical Research** **4**, 3, (2012), 64-68. (Impact factor: 1.550, ISSN: 0975-2366)
B. Venkat Kiran, **Som Shankar Dubey** and Battula Sreenivas Rao
23. New Analytical Technique for the Determination of Mercury (II) by Extraction Spectrophotometric Method with Isonitroso p-Isopropyl Acetophenone Phenyl Hydrazone In Sewage Wastes and Spiked Water Samples: **International Journal of Life Sciences and Pharma Research** **1**, 1, (2011), 75-79. (Impact factor: 6.703, ISSN: 2250-0480)
Battula Sreenivasa Rao, **Som Shankar Dubey** and B. Venkata Kiran
24. Removal of Dyes and Heavy Metals by Using Low Cost Adsorbents –A review: **Journal of Pharmaceutical Research**, **5**, 1, (2012), 461-470. (ISSN: 2454-8405)
Som Shankar Dubey and Battula Sreenivasa Rao
25. Nano fabricated Drug Delivery Devices (Abstract): **ChemInform** **42**, 46, November 15, 2011 (doi: 10.1002/chin.201146278). (Impact factor: 0.903, ISSN: 1522-2667)
Som Shankar Dubey and Battula Sreenivas Rao
26. Development and Validation of a Reversed-phase HPLC Method for the Determination of Efavirenz in Pharmaceutical Dosage Forms by Internal Standard Method: **Journal of Pharmaceutical Research**, **5**, 1, (2012), 94-99. (ISSN: 2454-8405)
B. Venkat Kiran, Battula Sreenivas Rao and **Som Shankar Dubey**
27. Development and Validation of a Reversed-phase HPLC Method for the Determination of Metmorfin Hydrochloride in Pharmaceutical Dosage Forms by Internal Standard Method: **Asian Journal of Chemistry**, **24**, 12, (2012), 5460-5462. (Impact factor: 0.247, ISSN: 0970-7077)
Battula Sreenivasa Rao, **Som Shankar Dubey**, K. Nagendar Rao and B. Venkata Kiran
28. Determination of Molybdenum (VI) in Amaranthus and Potato by New Extractive - Spectrophotometric Method with Isonitroso p-Isopropyl Acetophenone Phenyl Hydrazone: **Research Journal of Pharmaceutical Biological and Chemical Sciences**: **3**, 1, (2012), 580-584. (Impact factor: 0.350, ISSN: 0975-8585)
Battula Sreenivasa Rao, **Som Shankar Dubey** and Kiran BV
29. Kinetic Models in Adsorption - A Review: **Asian Journal of Research in Chemistry**, **5**, 1, (2012), 08-13. (ISSN: 0974-4169).
Som Shankar Dubey and Battula Sreenivasa Rao
30. Validation of Quetiapine Fumarate in Pharmaceutical Dosage by Reverse Phase HPLC with Internal Standard Method: **Journal of Chemistry**, **2013**, (2013), Article ID 578537, <http://dx.doi.org/10.1155/2013/578537>. (Impact factor: 1.300, ISSN: 2090-9810)
Kiran B. Venkata, Sreenivasa Rao Battula and **Som Shankar Dubey**

31. Effect of Surfactant (Triton X-114) on the Spectrophotometric Determination of Mercury (II) With Isonitroso p-Isopropyl Acetophenone Phenyl Hydrazone: **International Journal of Pharmacy and Technology**, 4, 1, (2012), 1866-1874. (ISSN: 0975-766X)
Battula Sreenivasa Rao, **Som Shankar Dube** and B. V. Kiran
32. Validation of Lamotrigine in Pharmaceutical Dosage by Reverse Phase HPLC with Internal Standard Method: **International Journal of Pharmacy and Technology**, 4, 1, (2012), 3843-3858. (ISSN: 0975-766X)
B. Venkata Kiran, Battula Sreenivasa Rao and **Som Shankar Dubey**
33. Validation of Abacavir Sulfate in Pharmaceutical Dosage by Reverse Phase HPLC with Internal Standard Method: **International Journal of Pharmaceutical Sciences Review and Research**, 3, 8, (2012), 2590-2598. (Impact factor: 2.544, ISSN: 0976-044X)
B. Venkata Kiran, Battula Sreenivasa Rao and **Som Shankar Dubey**
34. Validation of Venlafaxine in Pharmaceutical Dosage by Reverse Phase HPLC with Internal Standard Method: **Journal of Pharmaceutical Research**: 5, 5 (2012), 2683-2687. (ISSN: 2454-8405)
Battula Sreenivasa Rao, B. Venkata Kiran, and **Som Shankar Dubey**
35. Nano Fabricated Drug Delivery Devices, Part 2: **International Journal of Pharmacy and Technology**, 4, 1, (2012), 1974-1986. (ISSN: 0975-766X)
Battula Sreenivas Rao and **Som Shankar Dubey**
36. Ion Exchangers in Radioactive Waste Management: Removal Behavior of Hydrous Manganese Oxide and Hydrous Stannic Oxide for Cs (I): **Asian Journal of Research in Chemistry**, 5, 6, (2012), 725-729. (ISSN: 0974-4169)
Som Shankar Dubey and Battula Sreenivas Rao
37. Removal of Cesium and Cerium ions from Aqueous Solution by Hydrous Manganese Oxide – A Radiotracer Study: **Journal of Pharmaceutical Research** 5, 9, (2012), 4774-4779. (ISSN: 2454-8405)
Som Shankar Dubey and Battula Sreenivas Rao
38. Equilibrium and Thermodynamic Studies of Cesium Adsorption on Illite Clay: **Asian Journal of Research in Chemistry**, 6, 2, (2013), 139-143. (ISSN: 0974-4169)
Som Shankar Dubey, Battula Sreenivasa Rao and B.V. Kiran
39. Equilibrium and Thermodynamic Studies of Cesium Adsorption on Bentonite Clay: **International Journal of Pharmacy and Technology**, 5, 1, (2013), 5204-5211. (ISSN: 0975-766X)
Som Shankar Dubey, Battula Sreenivasa Rao and B.V. Kiran
40. Stability Indicating High Performance Liquid Chromatographic Estimation of Ritonavir and Lopinavir in their Combined Tablet Dosage Form: **Journal of Pharma Research**, 4, 6, (2015), 237-242. (Impact factor: 7.192, ISSN: 2319-5622)
Som Shankar Dubey and Mahesh Duggirala
41. High performance liquid chromatography with PDA detector for combined determination of emtricitabine, tenofovir and efavirenz: **Der Pharmacia Lettre**, 7 (10), (2015), 85-91. (Impact factor: 1.960, ISSN: 0975-5071)
Som Shankar Dubey and Mahesh Duggirala
42. Sorption Studies of Yttrium (III) ions on Nano Maghemite: **Journal of Environmental Chemical Engineering** (doi: 10.1016/j.jece.2016.11.006), 4, (2016), 4719-4730. (Impact factor: 1.198, ISSN: 2213-3437)
Som Shankar Dubey and Sarika Grandhi

43. Stability Indicating Method Development and Validation of Lamivudine, Zidovudine and Nevirapine by Using HPLC: **Der Pharma Chemica**, 9 (3), (2017), 16-26. (ISSN: 0975-413X)
Som Shankar Dubey and Mahesh Duggirala
44. Sorption Studies of Yttrium (III) ions Surfaces of nano Thorium (IV) oxide and Zirconium (IV) oxide: **International Journal of Environmental Science and Technology**, doi: 10.1007/s13762-017-1589-3 (2017). (Impact factor: 2.031, ISSN: 1735-1472)
Som Shankar Dubey and Sarika Grandhi
45. Simultaneous estimation of Lamivudine, Abacavir and Dolutegravir by UPLC method: **International Journal of Applied Pharmaceutics**, 10, 1, (2018), 46-52, (Impact factor: 1.203, ISSN: 0975-7058)
Som Shankar Dubey and Mahesh Duggirala
46. Optimization of Samarium (III) Sorption using nano Zirconium oxide by Taguchi Method: **Asian Journal of Chemistry** 31, 03, (2019), 7567-7572. (Impact factor: 0.247, ISSN: 0970-7077)
Som Shankar Dubey and Sarika Grandhi
47. Review on Removal of Radiotoxic Ions from Aqueous Solutions: **Asian Journal of Research in Chemistry**, 12, 1, 37-40. (2019), 08-13. (ISSN: 0974-4169).
Som Shankar Dubey
48. Equilibrium and Thermodynamic Studies of Cesium Adsorption on Montmorillonite Clay: **International Advanced Research Journal Science, Engineering and Technology** (doi: 10.17148/IARJSET.2019.6806), 6, 8, (2019), 35-39. (Impact factor: 5.551, ISSN: 2393-8021)
Som Shankar Dubey
49. Equilibrium and Thermodynamic Studies of Cesium Adsorption on Kaolin Clay: **International Journal of Research and Analytical Reviews**, 6, 2, (2019), 361-368. (Impact factor: 5.750, ISSN: 2348-1269)
Som Shankar Dubey
50. Applications of HPLC and UPLC Techniques - A Short Review: **International Advanced Research Journal Science, Engineering and Technology** (doi: 10.17148/IARJSET.2020.7502), 7, 5, (2020), 10-20. (Impact factor: 5.551, ISSN: 2393-8021)
Som Shankar Dubey and Chintukula Sudhakar
51. RP-HPLC Method Validation for the Assay of Tenofovir Disoproxil Orotate: **Research Journal of Pharmacy and Technology**, 14, 7, (2021), 3855-3859. (ISSN: 0974-3618)
J. Nageswara Rao, Ch. Sudhakar and **Som Shankar Dubey**
52. Applications, Nanotoxicity, Environmental Aspects and Future Challenges of Nanotechnology in the Oil and Gas Industry: A Review: **Rasayan Journal of Chemistry**, 15, 3, (2022), 1943-1954. (ISSN: 0974-1496)
Atresh Kumar Singh, Alok Kumar Singh and **Som Shankar**
53. Water Quality – A Review: **Asian Journal of Research in Chemistry**, 15, 5, 381-385. (2022), (ISSN: 0974-4169).
Som Shankar Dubey, Atresh Kumar Singh and Umesh Nath Tripathi

SEMINARS ATTENDED / PARTICIPATED

1. **Organic Synthesis Retrospect & Prospects.** Department of Chemistry, Banaras Hindu University, January 19-20, 2001.
2. **Chemistry from molecules to superamolecules.** Department of Chemistry, Banaras Hindu University, February 28- March01, 2003.
3. **Efficient Removal of Ce(III) from Aqueous Solutions by Hydrous Ferric Oxide and Tungsten Oxide.** The Emerging Trends in Separation Science and Technology SESTEC-2004, July 22-23, Mumbai (2004).
4. **The uptake behavior of hydrous manganese oxide and hydrous tin oxide for Cs(I) from aqueous solutions: A radiotracer study.** Proc. Symp. Indian Council of Chemists 2003, Institute of Technology, Oct. 17-19. Roorkee (2003).
5. **Efficient Removal of Cs(I) from Aqueous Solutions by Hydrous Ferric Oxide and Tungsten Oxide.** Proc. Symp. on Nucl. and Radiochem., Dec. 17-19 Kalpakkam (2003).
6. **Uptake Behavior for Hg(II) ions from Aqueous Solutions by Hydrous Metal Oxide Surfaces: A radiotracer Study.** Proc. Annual Convention of Chemist. Dec. 23-27, Bundelkhand University, Jhansi (2003).
7. **Inorganic Particulates in Removal of Heavy Toxic Metal Ions: Removal Behavior of Tungsten Oxide for Hg(II) ions from Aqueous Solutions-A radiotracer Study.** NUCAR-2003, 10-13 Feb. BARC, Mumbai, (2003).
8. **Chemistry in the development of newer materials (CDNM-2004).** Department of Chemistry, Banaras Hindu University, February 23-24, 2004.
9. **Vegetable & Natural Oils to Power Automobiles & Cut Pollution: National Seminar on Biomass as Source of Energy & Chemicals (BSEC-2004),** Department of Chemical Engineering & Technology, Institute of Technology, Banaras Hindu University, Varanasi (February. 28-29th, 2004).
10. **New Extractive and Spectrophotometric Determination of Mercury (II) by using isonitroso p-isopropyl Actophenone Phenyl Hydrazone:** National seminar on Environmental Pollutants and the Remedial methods for their Control, 08-09 Feb. Dharma Apparao College, Nuzvid 521 201 (Affiliated to Acharya Nagarjuna University), (2010).
11. **Nano Fabricated Drug Delivery:** National Seminar on Nano Materials in Engineering Chemistry, 13 September 2010, (Sponsored by AICTE) Department of Chemistry, V. R. Siddhartha Engineering College (Autonomous) Vijayawada - 520007.

12. **Kinetic-Spectrophotometric Determination of Trace Amounts of Vanadium (V) Based on its Catalytic Effects on the Reaction of O-Anisidine and Potassium Bromate:** International Conference of Education in Chemistry (ICEC-2010), November 12-14, 2010, Mumbai, India.
13. **Kinetic-Spectrophotometric Determination of Trace Amounts of Copper (II) Based on its Catalytic Effects on the Reaction of O-Anisidine and Potassium Bromate:** National Conference on Biological Chemistry (NCBC-2010), 29-30 November, 2010. Department of Chemistry, Gitam Institute of Science, Gitam University, Visakhapatnam-530045.
14. **Kinetic-Spectrophotometric Determination of Trace Amounts of Iron (II) Based on its Catalytic Effects on the Reaction of O-Anisidine and Potassium Bromate:** 29th Annual Conference of the Indian Council of Chemists, 19-21 December, 2010. Department of Chemistry, Panjab University, Chandigarh -160014.
15. **O-Anisidine as Indicator in Titrimetric Determination of Ascorbic Acid and Isonicotinic Acid Hydrazide in Pharmaceutical Formulations:** National Seminar on Recent Trends in Pharmaceutical Chemistry 30-31st January 2011 (RTPC-2011), Department of Chemistry (APSCHE, Hyderabad, AP Pollution Control Board, Vijayawada) Krishna University, Machilipatnam, Andhra Pradesh, India.
16. **Kinetic-Spectrophotometric Determination of Trace Amounts of Ruthenium (III) Based on its Catalytic Effects on the Reaction of O-Anisidine and Potassium Bromate:** National Seminar on Recent Developments in Nano Materials, Maharajah's Post Graduate College, Department of Chemistry, Phool Baug, Vizianagram, 30th January 2011.
17. **Development and Validation of a Reversed-phase HPLC Method for the Determination of Metmorfin Hydrochloride in Pharmaceutical Dosage Forms by Internal Standard Method International:** Conference on Global Trends in Pure and Applied Chemical Sciences, (Organized by Asian Journal of Chemistry) Udaipur, 3rd - 4th March 2012.
18. **Nano Fabricated Drug Delivery Devices (Part II):** National Conference on Emerging Trends in chemical Research (NCETCR 2012), Department of Chemistry, Gitam Institute of Technology, Gitam University, Visakhapatnam 530045, 7-8th September 2012.
19. **Equilibrium and Thermodynamic Studies of Cesium Adsorption on Bentonite Clay:** 7th National Conference on Thermodynamics of Chemical, Biological and Environmental Processes (TCBEP-2012), Department of Chemistry, Sri Venkateswara University, Tirupati (10-12th December 2012).
20. **Equilibrium and Thermodynamic Studies of Cesium Adsorption on Illite Clay:** International Seminar on Current Trends in Environmental Toxicology

and experimental Therapeutics, Department of Environmental Sciences, Vikrama Simhapuri University, (18th -19th December 2012).

21. **Role of Chemistry in Drug Discovery:** Royal Society of Chemistry-Deccan Section and Krishna University, Vijayawada, 6th July 2013.
22. **Surface Engineering & Nanotechnology for Advanced Materials (SENAM-2014),** Department of Chemistry, Gitam Institute of Technology, Gitam University, Visakhapatnam 530045, 22nd March 2014.
23. **Advances in solar cells and light emitting devices (ASCLED-2014),** Department of Chemistry, Gitam Institute of Technology, Gitam University, Visakhapatnam 530045, 27th December 2014.
24. **Quality research writing and research impact measures.** Gitam Institute of Technology & Knowledge resource centre, Gitam University, January 04, 2016.
25. **Recent Trends in Material Science, Nanoscience & Nanotechnology (RTMSNN 2017),** Adusumilli Gopal Krishnaiah & Sugar Grower's Siddhartha Degree College of Arts & Science, Vuyyuru 521165, Andhra Pradesh, January 3rd & 4th 2017.
26. **3rd International Conference on Global Trends in Pure & Applied Chemical Sciences (ICGTCS-2017),** "Sorption Studies of Gadolinium on the surface of Nano Zirconium (IV) Oxide", SRM University, Modi Nagar, Gaziabad, December 6-7, 2017.
27. **Smart Materials and Sustainable Technologies (NCSMST-2019),** "Taguchi Optimization studies of Gadolinium sorption on the Nano Iron Oxide", Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur, 23-24 February, 2019

WEBINARS

1. International Scientific Symposium - Tackling COVID19 Europe & India Perspective: Medicover Hospitals on 15th April, 2020
2. Prospective of Interdisciplinary Research in Science and Technology in the Present Scenario: Department of Physics, Chaudhary Charan Singh University, Meerut, Uttar Pradesh, India on 15-16th May, 2020.
3. COVID-19 Solutions : Thermo Fisher Scientific on 13th May, 2020.
4. Leveraging Science and Technology to Combat COVID-19: Faculty of Science, Deen dayal Upadhyaya Gorakhpur University, Gorakhpur, Uttar Pradesh on 23-24th May, 2020.
5. Chemistry as a Profession Career Prospectives: Department of Chemistry, Rayat Bahra University on 29th May, 2020.
6. World Environment Day Quiz-2020: Department of Botany, Government Model Degree College, Arniya, Bulandshar, Uttar Pradesh on 05th June, 2020.

7. Nanoscience and Nanotechnology in the Present Senario: School of Physical Sciences & Special centre for Nano Sciences Jawaharlal Nehru University, New Delhi on 09-10th June, 2020.
8. International e-Conference on Advanced Functional Materials and Optoelectronic Devices: Centre for renewable Energy, Institute of Physical Science for Study and Research, Veer Bahadur Singh Purvanchal university, Jaunpur, Uttar Pradesh on 13-15th June, 2020.
9. Two day Intrernational E-Seminar on Chemistry, Biology and COVID-19: Department of Chemistry, University pof Lucknow, India on 25-26th June, 2020.
10. International Virtual conference on Advanced materials for Energy and Environmental Applications (ICAMEEA-2020): Ionternational Relationship Centre, Bharathidasan University, Tiruchirappalli- 620024, Tamil Nadu, India on 26-27th June, 2020.
11. Online Workshop on Computer Aided Drug Design Using BIOVIA Discovery Studio: Department of Physics, Deen dayal Upadhayay Gorakhpur University, Gorakhpur, Uttar Pradesh on 13-14th August, 2020.
12. International Workshop on Computational Chemistry-Application to Odyssey & Spartan Software, September 30th 2020, India
13. Characterization Techniques for Nanoparticles and Data Analysis 13-14th October 2020, Department of Chemistry, School of Sciences, **Rayat Bahra University**, Mohali, Punjab (India)
14. International eConference on Chemistry and its application in modern life (ICCAML-2020) 28th December 2020 (3.00 - 5.00 pm) organized by Department of Chemistry, **Patliputra University** (Patna) and Department of Chemistry, **Ram Ratan Singh College, Mokama** (Bihar).
15. International e-conference on Molecules to Materials for sustainability in XXI Century (MMS 2021), “**Nanomaterials as adsorbent-A review**”, Department of Chemistry, Gitam Institute of Science, **Gitam University**, Visakhapatnam 530045, (8th-9th March 2021).
16. Effectively use ScienceDirect read quality publish quality 15th April 2021, organized by **Dr A P Abdul Kalam Technical University and Research Academy Elsevier**.
17. Unleashing The True Power of Collaboration With Researcher Discovery Feature on Scopus by **Researcher Academy On Campus, Elsevier**, 12th April 2022.
18. Creating a good research data management plan by **Researcher Academy on Campus, Elsevier**, on Sunday 12 June, 2022.
19. Reviewer workshop: How to get the most out of being a reviewer of scientific articles at APAC Customer Success Hub Workshop, **Researcher Academy on Campus, Elsevier** on Wednesday 10 August, 2022.
20. Elsevier Empowering Engineers to become Corporate Ready- Solving India Specific Grand Challenges 2022 at **Researcher Academy on Campus, Elsevier**, on Wednesday 14 September, 2022.
21. Building trust and engagement in peer review at **Researcher Academy on Campus, Elsevier**, on Sunday 02 October, 2022
22. Minorities in STEM: Barriers they face in academia and pathways to allyship at **Researcher Academy on Campus, Elsevier**, on Sunday 02 October, 2022.

23. Using AI to match your abstract to the right journal at **Researcher Academy on Campus, Elsevier**, on Sunday 02 October, 2022