



Prof. Ashok Kumar
Srivastava

M.Sc., Ph.D.
Physical Chemistry

Head & Dean (Ex)

Department of Chemistry
Faculty of Engineering &
Technology
Veer Bahadur Singh Purvanchal
University Jaunpur-222003
Uttar Pradesh INDIA

+91-9026489005

aksr.vbsp@gmail.com

1. ACADEMIC PROFILE

| Year | Degree | Board/Institution(s) | % |
|------------|---|----------------------|-------|
| 1982 | High School | U.P Board Allahabad | 75.4% |
| 1984 | Intermediate | U.P Board Allahabad | 67.0% |
| 1988 | B.Sc.(Hons.) | BHU Varanasi | 62.1% |
| 1990 | M.Sc. (Physical Chemistry) | BHU Varanasi | 61.4% |
| 1991 | NET (National Eligibility Test) | CSIR New Delhi | |
| Supervised | One student supervised for the award of Ph.D. degree in Chemistry and the degree has been awarded in 2009 from VBS Purvanchal University, Jaunpur | | |

2. DOCTOR OF PHILOSOPHY (Ph.D.) in CHEMICAL

Topics entitled: "A study on Origin and Chemical Effects of Anodic Contact Glow Discharge Electrolysis in an aqueous Inert type Electrolytes"

Duration: 1991-1995

Area of Research: Electrochemistry (electrochemical process at plasma electrolyte-interface)

3. AWARD & FELLOWSHIP:

1980-1982: High School Merit Scholarship
1982-1984: Intermediate National Merit Scholarship
1984-1988: Graduate, National Merit Scholarship
1992-1995 (Dec.) : Junior Research Fellow (JRF), CSIR
1996 (Jan.)-1996(Dec.) : Senior Research Fellowship (SRF) CSIR
1997 (Jan.)-1997(Oct.) : Research Associate(CSIR funded Project)
***Excellence Service award 2021 in Engineering, Science and Medicine 2021**

4. RESEARCH & TEACHING EXPERIENCE

| Duration | Designation |
|--------------|--|
| 1990-1995 | Research Scholar, Department of Chemistry BHU Varanasi |
| 1996-1997 | Research Associate, Department of Chemistry BHU Varanasi |
| 1997-2003 | Lecturer, Dept. of Chemistry, V.B.S. Purvanchal University, Jaunpur |
| 2003-2006 | Lecturer, Dept. of Chemistry, V.B.S. Purvanchal University, Jaunpur |
| 2006-2009 | Associate Professor, Dept. of Chemistry, V.B.S. Purvanchal University, Jaunpur |
| 2009 onwards | Professor, Dept. of Chemistry, V.B.S. Purvanchal University, Jaunpur |
| 2017 Onwards | Dean, Faculty of Engineering & Technology, VBS Purvanchal University, Jaunpur |

5. ADMINISTRATIVE EXPERIENCE

Successfully compiled with several administration and academic responsibilities, given by the University and institute, A few of them included:

- In-charge of B. Tech first year students.

- Warden of City Girls Hostel, VBS Purvanchal University
- Member of Entrance committee
- Member of Examination committee
- Member of the examination committee of the institute
- Working as Assistant center superintendent of Answer Sheet Evaluation
- Internal Flying Squad of Semester Examination
- Internal Examiner of Semester Practical Examination
- In- charge, Student Welfare Committee
- Head of the Department of Chemistry
- Working Deputy Presiding Officer in C.P.M.T. Exam 2001-02
- Working on Observer from B. Tech Entrance Examination
- Working as Director in charge
- Co-ordinator of B. Tech entrance test 2002-2003.
- Co-ordinator counseling of B. Tech batch 2000-2004
- Member, Board of Study in Dept. Of Chemistry
- Working as Director In-Charge. Faculty of Engineering & Technology
- Member of Executive Council, 2010-2012
- Dean, Faculty of Engg. & Tech. 2011-2014
- Dean, Faculty of Engg. & Tech. 2017 onwards

6. HIGHLIGHT'S OF MAJOR CONTRIBUTION

| | |
|-------------------------------|--|
| Course Taught | <ol style="list-style-type: none"> 1. Physical Chemistry 2. Quantum Chemistry 3. Analytical Chemistry 4. Environment & Ecology |
| Developments | <ol style="list-style-type: none"> 1. Designed and developed the Research Lab Electro-Chemistry in Dept. of Chemistry, B.H.U., Varanasi. 2. Designed and developed the 1st year Lab of Chemistry in Institute of Engg. & Technology, V.B.S. Purvanchal University, Jaunpur. |
| Proposal of Different Courses | Proposal submitted for B. Tech. courses in <ol style="list-style-type: none"> 1. Chemical Engineering. 2. Civil Engineering |
| Books | <ol style="list-style-type: none"> 1. Chemical Synthesis, Shree Publishers and Distributors, New Delhi-110002, Edition-2006 ISBN81-8329-007-8 2. Physical Chemistry, Shree Publishers and Distributors, New Delhi-110002, Edition-2009, ISBN 978-81-8329-342-6 3. Physical Chemistry (Part-I), University Publication, New Delhi-11002 ISBN: 978-81-7555-630-0 4. Physical Chemistry (Part-II), University Publication, New Delhi-110002, ISBN 978-81-7555-631-7 |

| | |
|---------------------------|--|
| | <ol style="list-style-type: none"> 5. Physical Chemistry (Part-III), University Publication, New Delhi-110002, ISBN978 81-7555-632-4 6. Principle of Physical chemistry (NY Research Press) ISBN 978-1-63238-623-6 |
| Member of Academic Bodies | <ol style="list-style-type: none"> 1. Member of Indian Science Congress, Calcutta 2. Member of Indian Council of Chemists, Agra. 3. Member of National Environmental Science Academy, New Delhi. 4. Research Journal of Chemistry and Environment, Indore 5. Indian Chemical Society, Calcutta. |

7. PUBLICATION(S)

1. Effects of Anodic contact glow discharge electrolysis in aqueous formic acid solution Formation of oxalic acid. *Indian Journal of Chemistry*, **1995**, 34A, 459-461.
2. Contac Glow Discharge electrolyte: A study on its origin in light of the Theory of hydrodynamics instability in local solvent vaporization by the Joule heating during Electrolysis. *Journal of Electroanalytical Chemistry*, **1995**, 427, 23-27.
3. Origin of Contact Glow Discharge Electrolysis in Aqueous Solution: Effects of Electrolyte Temperature and surface Tension. *Indian Journal of Chemistry*, **1997**, 36A, 945-950.
4. A Study on the Origin of Non-faradaic behavior of Anodic Contact Glow Discharge Electrolysis. *Journal of Electroanalytical Society*, **1998**, 145, 2209-2213.
5. A study on non-faradaic yields of Anodic Contact Glow Discharge Electrolysis using cereus ion as the OH ion scavenger: An estimate of the primary yield of OH radicals. *Indian Journal of Chemistry*, **1998**, 37A, 558-560.
6. Effects of Electrode Dimensions and Electrolyte Concent Rations on Origin of Contact Glow Discharge Electrolysis in Aqueous Solution. *Bull.phy.Sci*, **2002**, 1, 5-8.
7. Conductivity and D.S. Estimation on of Drain Water at Raniya Industrial Estate in Kanpur Dehat. *J. PAS*, **2006**,12, 223-229.
8. Synthesis of some Novel Proponohydrazides and substituted pyrazolones. *Asian Journal of Chemistry*,**2008**,20, 2497, 2503.
9. Studies of 8 -Hydroxyquinoline Complex with some Mixed Ligand. *App. Sci. Periodical*, **2008**, 10, 5-9.
10. Studies of 5-Phenylazo-8- Hydroxyquinolines on Metal Complexes. *App. Sci. Periodical*, **2008**, 10, 4095-4098.
11. Effect of irrigation with ground water and pollutant element s in a crop growing area of Sonebhdra district Uttar Pradesh. *Int. J. Chem. Sci.*, **2010**, 1, 25-29.
12. Study of Phosphate solubilizers as bio- fertilizer and bio-antifungal agent. *Int.J.Chem.Sci.*,**2010**,1, 13-16,

13. Effect of detergents and automobile effluent discharge into Gomti River at Jaunpur, Uttar Pradesh. *Indian J. of Research*, **2011**, *5*, 69-73.
14. Comparative Study of soil samples from different cities of Mirzapur district in Uttar Pradesh. *Indian J. of Research*, **2011**, *5*, 66-68.
15. Comparative Study of Surface Water and Ground Water Sources from Different Villages of Jaunpur district in Uttar Pradesh. *Int.J.Che.Sci.*, **2011**, *2*, 13-16.
16. Comparative Study of soil samples from Villages of Chunar Tehsil of Mirzapur district Uttar Pradesh. *Indian J. of Research*, **2012**, *6*, 81-83.
17. A study on effect of Cell Geometry, Electrode Material and bath temperature in aqueous solution of the origin of C.G.D.E. *Int. J. of Chem. Sci.*, **2013**, *4*, 1-5.
18. Water Pollution assessment of Azamgarh Mandal of Balia District, Uttar Pradesh. *Int. J. of Env. Sci.*, **2015**, *6*, 4-8.
19. Novel Synthesis of Bis- β -Lactams with Unusual 2,7-Phenanthrene and 9, 10-Dihydrophenanthrene Derivatives. *Asian Journal of Organic & Medicinal Chemistry*, **2018**, *3*, 85-88.
20. Microwave-induced Montmorillonite-mediated synthesis of dihydropyridine. *J. Indian Chem. Soc.*, **2019**, *96*, 1351-1354
21. Microwave-Induced Bismuth Nitrate-Catalyzed Michael Reaction of 3-Amino β -Lactams with Enones. *Asian J. Chem.* **2020** *32*(2) 233-236.
22. Microwave-Induced Montmorillonite-Mediated Facile Synthesis of Enamines. *Asian J. Chem.* **2020** *32*(2) 249-254.
23. Modelling studies for remediation of Cr (VI) from wastewater by activated *Mangifera indica* bark, Current Research in Green and Sustainable Chemistry (DOI:<https://doi.org/10.1016/j.crgsc.2020.100034>)
24. Decolorization of noxious safranin-T from wastewater using *Mangifera indica* as precursor Environmental Sustainability (DOI 10.1007/s42398-020-00130-0)
25. Bio-synthesized Cu-ZnO hetero-nanostructure for catalytic degradation of organophosphate chlorpyrifos under solar illumination, *Chemosphere* (in press): <https://doi.org/10.1016/j.chemosphere.2021.130315>
26. Organocatalysis: A stereoselective synthesis of O-glycosides, *Catalysis & Chemical Technology* (Francis & Taylor, accepted, IF 22) <https://doi.org/10.1080/01614940.2022.2041303>
27. Advances in nanoparticles tailored lignocellulosic biochars for removal of cadmium (II) and chromium (VI) from aqueous system (review article) DOI: 10.1007/s42398-020-00142-w

8. SYMPOSIUM SEMINAR & CONFERENCE

1. S.K. Sengupta, A.K. Srivastava & R. Singh, "A Study on effects of CGDE in aqueous inert-type electrolytes and location of Zone," presented in the International Symposium on Advanced Electrochemical and Technology, July 1993 (Karaikudi).

2. S.K. Sengupta, A. K. Srivastava & R. Singh, " A Study on mechanism of non-faradic chemical effects in CGDE", presented in 30th annual convention of chemists,1994 (Calcutta)
3. A.K. Srivastava "A Study on toxic elements in Gomati River at Jaunpur paper Accepted in Indian Science Congress-**2001**.
4. A. K. Srivastava and A.K. Singh, "To study the Pollution of Deferent water Bodies in Jaunpur city," presented in 41st Annual conference of Chemistry Dec. 19 (**2004**), New Delhi.
5. A.K. Srivastava and A.K. Singh, "Effects of Cu and Cd in Gomti River and Jaunpur," Presented in the 92nd, Indian Science Congress, 128(**2005**), Ahmadabad.
6. A.K. Srivastava and A.K. Singh, and H.K. Singh, "Studies of Water Quality Parameters Atataharia Tehsil Industrial Area," Presented in the 43rd Annual Convention of Chemist, Dec. 14 (**2006**) Aurangabad.
7. A.K. Singh, A.K. Srivastava, "Synthesis of some pyrazolines as potential anti-ischemic agents." Ind. Sci.Cong.3205, (**2006**)
8. A.K. Singh, A.K. Srivastava, H.K. Singh & I.Umar : Synthesis of some new propono hydrazides and their hydrolysis product byrazolones, presented 43rd annual convention of chemists, *Indian Chem. Soc. C-26*, (**2006**).
9. A.K. Singh and A. K. Srivastava, H.K. Singh : Study of Activated Nitriles towards Barbituric Acid Thio-barbituric acid and 3-methyl-I-5 one, presented in 16th Annual conference of PAS, 32 (**2007**).
10. A.K.Sing, Indresh Kumar, A.K. Srivastava and Daroga Singh "Synthesis of Copper (III) complexes of a Schiff's base from 2,3- Dimethyl-I-Phenyl-4 Aminopyrazole 5-one as Antimicrobial Activity." Presented in 19th Annual Conference of PAS, C-1, (**2010**).
11. A.K. Singh and Daroga Singh, A.K. Srivastava: Synthesis of New-4-Aryl pyrazolo- Pyrimidin-6-one derivative of potential Anti-hypertensive activity. Presented at the 19th Annual Conference of PAS, C-2 (**2010**).

BOOK CHAPTERS

1. Organocatalytic cycloaddition reaction: A gateway for molecular complexity <https://doi.org/10.1016/B978-0-12-817592-7.00011-3>
2. One-pot strategy: A highly economical tool in organic synthesis and medicinal chemistry <https://doi.org/10.1016/B978-0-12-817592-7.00010-1>

RESEARCH SUPERVISION:

- 1 Ph.D (01)
- 2 D.Sc. in Science (01)

9. PERSONAL INFORMATION

Name : Dr. Ashok Kumar Srivasatava

Father's Name : Sri. Prabhakar Lal
Date of Birth : 09.03.1968
Marital Status : Married
Nationality : Indian
Sex : Male
Correspondence Address : Shubham Apt. Flat No. 42 Naria BHU
Varanasi-2210005
Permanent Address : Village: Semara
Post: Bhurkura,
Dist.: Mirzapur (U.P.)

Palace:

Date:

(Prof. Ashok Kumar Srivastava)
