

Biodata

(Updated: January, 2017)

(a) PERSONAL DETAILS

Full Name : Dr. Vimal Chandra Srivastava
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(b) EDUCATIONAL / PROFESSIONAL QUALIFICATIONS

| Course of Study | Year | Board/University | Marks | Remarks |
|--------------------------|-------------|---------------------------|-------------------------------|--------------------------|
| B.E. (Chemical Engg.) | 2001 | C.C.S. University, Meerut | 77.12 % | 1 st Division |
| M.Tech. (Chemical Engg.) | 2003 | I.I.T. Roorkee | 9.18/10 (CGPA) | 1 st Division |
| Ph.D. | 2006 | I.I.T. Roorkee | Many Publications from Thesis | |

(c) SPECIALIZATION/FIELD OF INTEREST

Major : Chemical Engineering, Environmental Engineering, Fuels
Minor : Separation Processes, Catalysis & Reaction Engineering, Pollution Abatement, Desulfurization, CO₂ Utilization, Alternative Fuels, Nanomaterials, Adsorption, Wastewater Treatment, Waste Utilization, Solvent Extraction, Chemical Engineering Thermodynamics, Phase Equilibria, etc.

(d) TEACHING AND RESEARCH EXPERIENCE

| Organization/Department | Designation | Period |
|---|---------------------|--------------------------|
| IIT-BHU Varanasi, Chemical Engg. and Technology | Assistant Professor | 01/03/2006 to 02/04/2007 |
| IIT Roorkee, Chemical Engg. | Assistant Professor | 03/04/2007 to 03/04/2014 |
| IIT Roorkee, Chemical Engg. | Associate Professor | 04/04/2014 to continuing |

(e) RESEARCH GUIDANCE

Post-Doctoral Fellow: One (April 28, 2014 to Sept. 28, 2015)

| Thesis/Dissertations/Projects | Completed | Submitted | Continuing |
|--------------------------------------|------------------|------------------|-------------------|
| Ph.D. | 10 | 01 | 05 |
| M.Tech. Dissertations | 39 | - | 06 |
| B.Tech. Project | 49 | - | 05 |

(f) RESEARCH PUBLICATIONS

| | | |
|--|---|------------|
| Book Chapter | : | 05 |
| International (SCI Impact-factor) Journals | : | 140 |
| Other (Non-SCI) Journals | : | 12 |
| International Conference | : | 24 |
| National Conference | : | 62 |
| Total | | 243 |

Average Impact Factor of each SCI journal publication = 2.632

Citations > 5300 as per SCOPUS with h-index of 34.

Refer following URLs for further details

- <http://www.researcherid.com/rid/B-4455-2008>
- <http://orcid.org/0000-0001-5321-7981>
- <https://scholar.google.com/citations?user=vXB9eOwAAAAJ&hl=en>
- <http://www.scopus.com/authid/detail.url?authorId=35565811700>
- <http://inae.in/expert-search/index.php/vimal-chandra-srivastava>

(g) AWARDS/RECOGNITIONS

(a) International

- **“Prosper.Net-Scopus Young Researcher Award 2010 – First Runner-up Prize”**. This award was given jointly by **SCOPUS, United Nations University** and **International Bureau of the BMBF** to young scientists or researchers below 40 years based in the Asia-Pacific region. For 2010, award was given in an award symposium held in Tongji University, Shanghai, China on July 5, 2010.
- **The American Association for the Advancement of Science (AAAS)** and **The World Academy of Sciences (TWAS)** full financial-support to attend a course on ‘Science Diplomacy’ organized by AAAS and TWAS in Trieste, Italy during June 8-13, 2014.
- Member, American Chemical Society (ACS) (by **Invitation for 2015-2018**).
- Received Invitation & Full financial-support from **Ministry of Science & Technology (MoST), Taiwan** for attending and delivering talks during ‘Asia Food-Energy-Water Nexus Scoping Workshop’ held at Science & Technology Building, Taipei, Taiwan during February 20-22, 2017.
- *Reviewer of the Sponsored Projects submitted to Petroleum Research Fund* managed by the **American Chemical Society**.

(b) National

- **“INAE Young Engineers Award 2012”** by **Indian National Academy of Engineering (INAE)**.
- **“INSA Young Scientist Medal 2012”** by **Indian National Science Academy (INSA)** in **“Engineering Science Category”**.

- **“Amar Dye-Chem Award” for the year 2013** by **Indian Institute of Chemical Engineers (IICChE)** for excellence in Research and Development.
- **“IEI Young Engineer Award 2012-2013”** by Institution of Engineers, India in **“Environmental Engineering”** discipline.
- INAE Young Associate, Indian National Academy of Engineering (INAE).
- Member, The National Academy of Sciences, India (NASI).
- Best Paper Award at 4th Uttarakhand State Science and Technology Congress held at GB Pant University of Agriculture and Technology, Pantnagar during 10-12 November, 2009 under the discipline **“Engineering Science and Technology”**.

(c) Others

- More than 5400 citations of research papers with h-index of 33 (as per SCOPUS).
- Twelve (12) Research papers among **Top most cited articles of respective journals** published by Elsevier.

(h) SPONSORED RESEARCH PROJECT

(Note: Rs. 1 Lakh=Rs. 1,00,000≈\$ 1540)

1. Dr. V.C. Srivastava. Removal of Dyes from Water. IT-BHU Special Fund-I.T. Development fund (Rs. 0.5 Lakh) Completed.
2. Dr. V.C. Srivastava. Ultra Deep-Desulfurization of Diesel. IIT-Roorkee Faculty Initiation Grant (Rs. 4.9 Lakh) Completed.
3. Dr. V.C. Srivastava as CoI and Dr. I.D. Mall as PI. Treatment of petroleum refinery wastewater in sequencing batch reactor. Ministry of Environment and Forest, New Delhi (Rs. 11.79 Lakh) Completed.
4. Dr. V.C. Srivastava as CoI and Dr. I.D. Mall as PI. Electrochemical treatment of textile industry wastewater. CSIR, New Delhi (Rs. 14.41 Lakh) Completed.
5. Dr. V.C. Srivastava as CoI along with many faculty members from all IITs. Ganga River basin Management Plan. Ministry of Environment and Forest, New Delhi, Completed.
6. Dr. V.C. Srivastava. Oxidative desulfurization of liquid fuels. Indian National Science Academy (Rs. 15 Lakh) Completed.
7. Dr. V.C. Srivastava. Catalytic oxidation of nitrogenous aromatic compounds bearing wastewater. DST (Rs. 26 Lakh) In progress.

(i) CONSULTANCY RESEARCH PROJECT

1. Dr. V.C. Srivastava as CoI and Dr. I.M. Mishra as PI. VOC emissions control in a refinery. ARW Engineers (India) Pvt. Ltd., Mumbai. (Rs. 5.6 Lakh) Completed.
2. Dr. V.C. Srivastava as CoI and Dr. I.M. Mishra as PI. Evaluation of GBPIHED Scheme. G.B. Pant Institute of Himalayan Environment and Development, Almora, Uttarakhand. (Rs. 11.03 Lakh) Completed.
3. Dr. V.C. Srivastava as CoI and Dr. I.M. Mishra as PI. VOC emissions control in a refinery. ARW Engineers (India) Pvt. Ltd., Mumbai. (Rs. 5.6 Lakh) Completed.
4. Dr. V.C. Srivastava as CoI and Dr. I.M. Mishra as PI. Evaluation of DGFASLI schemes. Director General, Factory Advice Service and Labor Institutes. (Rs. 10.00 Lakh) Completed.
5. Dr. V.C. Srivastava as CoI and Dr. Vivek Kumar as PI. Rapid Assessment of Industrial Pollution to the River Ganga in Uttarakhand. (Rs. 5.70 Lakh) Completed.

(j) MEMBERSHIP TO PROFESSIONAL SOCIETIES

(i) International Academies/Societies

- Member, American Chemical Society (ACS) (by **Invitation** for 2015-2018)

(ii) National Academies/Societies

- INAE Young Associate, Indian National Academy of Engineering (INAE).
- Member, The National Academy of Sciences, India (NASI).
- Fellow, International Congress of Chemistry and Environment. This congress publishes Research Journal of Chemistry and Environment (Impact Factor: 0.379).
- Life Member, Indian Institute of Chemical Engineers.
- Life Member, Indian Science Congress Association.
- Life Member, Indian Society for Electro-Analytical Chemistry (ISEAC).
- Associate Member, Institution of Engineers.

(k) PROFESSIONAL LEADERSHIP

- Member, Editorial Board, ISST Journal of Applied Chemistry.
- Member, DST Expert Group on Methanol & DME
- INAE Expert in the area of Environmental & Chemical Engineering
- Executive committee member, Roorkee Local Centre, Institution of Engineers (India).
- *Reviewer of the Sponsored Projects submitted to **Petroleum Research Fund** managed by the American Chemical Society.*
- Referee/Reviewer in Journals
 - RSC Advances, Journal of Materials Chemistry, etc. (Royal Society of Chemistry).
 - Chemical Reviews, Langmuir, Industrial and Engineering Chemistry Research, Journal of Chemical and Engineering Data, Environmental Science and Technology, Journal of Physical Chemistry A and C, etc. (American Chemical Society).
 - Applied Catalysis A and B, Bioresource Technology, Colloids and Surfaces A: Physicochemical and Engineering Aspects, Chemical Engineering Journal, Chemical Engineering Science, Desalination, Fuel, Fuel Processing and Technology, Journal of CO₂ Utilization, Journal of Colloid and Interface Science, Journal of Hazardous Materials, Journal of Environmental Management, Materials Science and Engineering B, Separation and Purification Technology, Water Research, Ultrasonics Sonochemistry, etc. (All Published by Elsevier).
 - AIChE Journal, Canadian Journal of Chemical Engineering, Chemical Engineering and Technology, CLEAN Soil Air Water, Environmental Progress and Sustainable Energy, Journal of Chemical Technology and Biotechnology, etc. (Wiley)
 - Journal of Thermal Analysis and Calorimetry, The Korean Journal of Chemical Engineering, Waste and Biomass Valorization, etc. (Springer).

- Chemical Engineering Communications, Desalination and Water Treatment, Environmental Technology, International Journal of Environmental Analytical Chemistry, Separation Science and Technology, etc. (Taylor and Francis)
- Adsorption Science and Technology, International Journal of Chemical Reactor Engineering, etc.

(i) COURSES ORGANIZED

- i. Central Pollution Control Board (CPCB), Delhi sponsored course: “Operation and maintenance of sophisticated instruments like GC-MS/GC, HPLC, CHNS and AOX analyzer”, February 15-19, 2010.
- ii. All India Council for Technical Education (AICTE) sponsored course: “Hazardous waste, battery waste and E-waste management”, June 11-15, 2012.
- iii. Central Pollution Control Board (CPCB), Delhi sponsored course: “Monitoring and analysis of VOCs in water and wastewater, ambient air and emissions”, January 28-30, 2013.
- iv. Central Pollution Control Board (CPCB), Delhi sponsored course: “Environmental health and safety management in process industries”. November 27-29, 2014.
- v. All India Council for Technical Education (AICTE) sponsored course: “Nanotechnology: basics and applications in chemical engineering”, June 22-26, 2015.
- vi. Central Pollution Control Board (CPCB), Delhi sponsored course: “Recent trends in environmental monitoring & control strategies in petroleum & petrochemical industries”, November 26-28, 2015.
- vii. All India Council for Technical Education (AICTE) sponsored course: “Green chemistry for cleaner technology”, January 09-13, 2017.
- viii. Central Pollution Control Board (CPCB), Delhi sponsored course: “Cleaner Production Technologies – Practical Aspects”, February 15-17, 2017 (**to be organized**).

(m) CURRICULUM DEVELOPMENT

NPTEL (National Programme on Technology Enhanced Learning) –Phase II.

- Course on “Environmental Engineering” completed (in August, 2013).

(n) INVITED LECTURES

More than 40 Lectures delivered at various conferences/short-term courses/functions in various Institutes/Universities including:

- Italian Institute of Technology, Naples, Italy
- Tonji University, Shanghai, China
- FAAP University, Sao Paulo, Brazil
- INAE Convention, CBRI, Roorkee
- NITs, Bhopal, Raipur, Jalandhar, Surat, Rourkela, Srinagar
- Panjab University, Chandigarh
- Gujarat Technological University, Gandhinagar
- IIT Roorkee, etc.

(o) DEPARTMENT AND INSTITUTE ACTIVITY

(i) Institute Level

- Warden, Khosla International House, IIT Roorkee (2011-2013).
- Co-coordinator, Cognizance-2015.
- Member of the team for Preparation of the Institute-Review 2014 report and presentation (during Nov., 2014).
- Member, IPR Cell (since 2012)
- Member, Executive Committee, Roorkee Local Centre, The Institution of Engineers (India) since 2012.

(ii) Department Level

- Member, Department Administrative Committee (Sept. 2016 – continuing).
- **Coordinator, B.Tech. Projects** (August, 2016 – continuing).
- **O.C., Training and Placement** (August, 2014 – continuing).
- O.C., Annual, BOG, Convocation and other related reports (January 2009 – continuing).
- O.C., Pollution Abatement Research Laboratory (December 2013 – continuing).
- Superintendent Examination (July, 2013 – March, 2015).
- **Prepared FIST-DST report and presentation for which Department was granted Rs. 126 Lakh by DST.**
- Prepared Department-Review 2014 report and presentation as one of the member (during April, 2014).
- O.C., Mass Transfer Undergraduate Laboratory (January 2009 – August, 2014).
- Faculty Advisor, ChESS (Chemical Engineering Students Society) (2009 – August, 2014).
- Faculty Advisor, IChE Student Chapter (December 2011 – August, 2014).
- Member, Department Academic Committee (July 2008 - Dec. 2010; March 2013 – July, 2015).
- Member, Department Research Committee (Jan 2011 – March 2013; July, 2015 – till now).
- Member, FIST coordination committee.
- Secretary, Department Academic Committee (July 2008 - Dec. 2010).
- Additional O.C., Time Table (July 2010- December 2011).
- Faculty Advisor (ChED), Cognizance-2014 (March 21-23, 2014), Cognizance-2011, Cognizance-2010.

(Vimal Chandra Srivastava)