

Resume

Name: Dr. Suyog Nandlal Jain



Address:

Plot No. 10, Survey No.206/2,
Kamal Nagar, Hirawadi, Panchavati,
Nashik- 422003, Maharashtra, India
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Academic Profile:

Ph. D. (Chemical Engineering)

Month and Year of passing: October 2018

Institute of Chemical Technology, Mumbai (NAAC A++ grade accredited)

Project Title: Improved Synthesis of Biosorbents and Application for Removal of Dyes

Research Supervisor: Dr. Parag R. Gogate

M. Tech. (Chemical Engineering)

Month and Year of passing: May 2011

University Department of Chemical Technology,

North Maharashtra University, Jalgaon (NAAC A grade accredited), Maharashtra

CGPA: **9.1 (A+)**

Project Title: Gas- Solid Heat Transfer in Cyclone Separator

GATE 2003 (Chemical Engineering)

Percentile Score: **94.71**, All India Rank: **333**

B.E. (Chemical Engineering)

Month and Year of passing: May 2002

Bharati Vidyapeeth's College of Engineering, Pune, Maharashtra

University of Pune.

Percentage: **69.60**

First Class with Distinction

H.S.C.(Maharashtra State Board)

Year of Passing: 1998

K.T.H.M., Nashik, Maharashtra

Percentage: **80.67**

First Class with Distinction

Gold Medalist (Math Marks 100/100)

S.S.C. (Maharashtra State Board)

Year of Passing: 1996

M.P.H.S., Bej, Kalwan, Nashik, Maharashtra

Percentage: **79.33**

First Class with Distinction

Professional Profile:

➤ **Current Experience:**

Designation: Associate Professor in Chemical Engineering

Institute: K. K. Wagh Institute of Engineering Education & Research, Nashik
(NAAC A grade accredited), Maharashtra

Duration of teaching in current Institute: 1st August 2003 to till date

➤ **Past Experience:**

Designation: Lecturer in Chemical Engineering

Institute: Pimpri Chinchwad College of Engineering, Pune, Maharashtra

Duration: 17th September 2002 to 14th June 2003

Total Teaching Experience: 21 Years

Subjects teaching:

Transport Phenomena, Process Dynamics and Control, Chemical Reaction Engineering,
Fluid Mechanics

Professional Society Membership:

Life member of IChE (LM-65351)

Life member of ISTE (LM- 50641)

Life Member of IET (1100930731)

Online courses/Videos

- Developed 23 YouTube videos for the contents of different subjects of Chemical Engineering
- Developed a Course titled “Transport Phenomena_ Momentum, Energy and Mass Transfer” on Udemy Platform.

Workshops/Seminars/STTP/ Training attended:

- Worked as a Committee member to arrange 3 days online workshop on “NBA Awareness” from 11th to 14th May 2021 organized by Association of the Management of Un-Aided Engineering Colleges Maharashtra.
- Worked as a Judge for “SCHEMCON 2018” held at ICT, Mumbai on 26th October 2018.

- Attended one day workshop of CEO's at KTHM College, Nashik on 4th September 2018.
- Worked as a Judge for model competition in Science week "Biospectra 2018" under Science forum on 16th January 2018 at K. K. Wagh Senior College, Saraswati Nagar, Nashik
- Attended one day workshop on "Advances in Chromatography and Spectroscopy" on 13th January 2018, jointly organized by BSR Technologies Pvt. Ltd. Nashik and K.K. Wagh College of Agriculture, Nashik.
- Attended one day workshop of CEO's of all Engineering Colleges at PVG College of Engineering, Pune on 22nd July 2017.
- Two days workshop on 'Basic Course on ANSYS CFD' at K.K.W.I.E.E.&R., Nashik from 8th March to 9th March 2017.
- UGC-NRC sponsored FDP on 'Chemical Process Control-Past, Present and Future' (FDP-CPC) held at ICT, Mumbai on May 30-31, 2015.
- One day workshop on 'Syllabus Revision at SE and ME' at MIT, Pune on 26th February 2013.
- ISTE workshop on 'Introduction to Research Methodologies' conducted by IIT Bombay and K.K.W.I.E.E.&R., Nashik from 25th June 2012 to 4th July 2012.
- One day workshop on 'Intellectual Property and Patent Life Cycle Management' at K.K.W.I.E.E.R., Nashik on 10th March 2012.
- One day Seminar on 'Research Methodology' at Sandip Foundation, Nashik on 24th December, 2011.
- Orientation Programme on 'Syllabus Revision of Process Dynamics and Control' (B.E.) at Sinhgad Institute of Technology, Pune on 10th Aug. 2011.
- One day National Seminar on 'Recent Advances in Chemical Engineering' held at Department of Chemical Technology of North Maharashtra University, Jalgaon on 20th March, 2010.
- Two week workshop on 'Developing Core Teaching Competencies in Engineering College Teachers' organized by National Institute of Technical Teachers' Training & Research, Bhopal & K.K.W.I.E.E. &R., Nashik from 18th June 2007 to 30th June 2007.
- One day Workshop on 'Industrial Solid Waste Management' at K.K.W.I.E.E.R., Nashik on 2nd April 2007.
- Industrial Training at Thermax India Ltd., Pune from 26th June to 28th June 2006.
- One day Workshop on 'Advanced Process Control' at Sinhgad College of Engineering, Pune on 22nd April 2006.
- STTP on 'Comparison & Analysis of Conventional, Electrochemical and Biochemical Pathways of Chemical Processes' at Dr. M.G.R. Educational & Research Institute, Chennai from 17th Nov. 2003 to 29th Nov. 2003.

University/Institute Level Experience:

- Worked as Internal Senior Supervisor for FE Insem SPPU Exam at Institute from 23 to 26 May 2022.
- Worked as External Senior Supervisor for Insem SPPU Exam at Institute from 18 to 22 April 2022.
- Worked as External Senior Supervisor for Insem SPPU Exam at Institute from 4 to 9 April 2022.
- Working as a Member of the Association of Un-Aided Engineering Colleges (Maharashtra) from August 2020.
- Worked as External Senior Supervisor for final Year End Sem Exam of May 2020 from 12th to 31st October 2020.
- Worked as College Examination Officer (CEO) in the Institute from March 2017 to June 2019.
- Worked as State Government Minority Scholarship Coordinator at Institute level from academic year 2008-09 to 2016-17.
- Worked as Internal Senior Supervisor for Savitribai Phule Pune University Insem Examination at K.K.W.I.E.E.R., Nashik from 22nd August to 26th August 2016.
- Worked as a LIC member and visited PREC Loni on 22nd Jan 2016.
- Worked as External Senior Supervisor for Pune University Theory Exam at MET, Nashik from 2nd May 2013 to 17th May 2013.
- Worked as External Senior Supervisor for Pune University Theory Exam at MET, Nashik from 1st Nov to 10th Nov 2012.
- Worked as Internal Senior Supervisor for Pune University Theory Exam at K.K.W.I.E.E.R., Nashik from 4th June 2011 to 17th June 2011.
- Worked as External Senior Supervisor for Pune University Theory Exam at MET, Nashik from 1st Dec. 2010 to 9th Dec. 2010.
- Working as a chairman and paper setter for different subjects of Chemical Engineering at SPPU.

Areas of Interest/Research:

Wastewater treatment, Process Intensification, Environmental Protection, Process Control, Chemical Reaction Engineering, etc.

Research Publications in International Journals:

Sr. No	Title of paper	Name of Journal and Publisher	Vol./Issue no./Page no.	Publication Month and Year
1.	Synthesis, characterization and adsorption studies on activated carbon adsorbent synthesized from <i>Kigelia africana</i> for removal of acid blue 113 dye from synthetic solution	Materials Today: Proceedings Publisher: Elsevier	DOI: https://doi.org/10.1016/j.matpr.2023.11.046	November 2023
2.	Caustic soda treated dried foliage of <i>Arachis hypogaea</i> as a promising biosorbent for Chromacyl Blue GG dye removal	Biomass Conversion and Biorefinery. Publisher: Springer	DOI: https://doi.org/10.1007/s13399-023-04898-z	September 2023
3.	A review on recent contributions in the progress of membrane capacitive deionization for desalination and wastewater treatment	International Journal of Environmental Science and Technology. Publisher: Springer	DOI: https://doi.org/10.1007/s13762-023-04778-z	January 2023
4.	Sesame (<i>Sesamum indicum</i>) oil cake— industrial waste biomass for sequestration of Basic Blue 26 from aqueous media	Biomass Conversion and Biorefinery. Publisher: Springer	12 (3783–3793)	July 2020
5.	Vegetable residue of fenugreek (<i>Trigonella Foenum-Graecum</i>), waste biomass for removal of Basic Violet 14 from wastewater: Kinetic, equilibrium, and reusability studies	Sustainable Chemistry and Pharmacy. Publisher: Elsevier	16 (100269)	June 2020
6.	Kinetic, equilibrium, thermodynamic, and desorption studies for sequestration of acid dye using waste biomass as sustainable adsorbents	Biomass Conversion and Biorefinery. Publisher: Springer	12 (2597–2609)	May 2020
7.	Batch and continuous studies for adsorption of anionic dye onto waste Tea residue: Kinetic, equilibrium, breakthrough and reusability studies	Journal of Cleaner Production. Publisher: Elsevier	252 (119778)	April 2020
8.	Incense stick ash as a novel and sustainable adsorbent for sequestration of Victoria Blue from aqueous phase	Sustainable Chemistry and Pharmacy. Publisher: Elsevier	15 (100199)	March 2020
9.	Nonlinear Regression Approach for Acid Dye Remediation Using Activated Adsorbent: Kinetic, Isotherm, Thermodynamic and Reusability Studies	Microchemical Journal. Publisher: Elsevier	148 (605–615)	July 2019

10.	Treatment of dye containing real industrial effluents using NaOH activated <i>Ficus racemosa</i> and <i>Prunus dulcis</i> based novel adsorbents	International Journal of Environmental Research. Publisher: Springer	13 (337–347)	March 2019
11.	Adsorptive removal of azo dye in a continuous column operation using biosorbent based on NaOH and surfactant activation of <i>Prunus Dulcis</i> leaves	Desalination and Water Treatment. Publisher: Desalination	141 (331-341)	February 2019
12.	Efficient removal of Acid Green 25 dye from wastewater using activated <i>Prunus Dulcis</i> as biosorbent: Batch and column studies	Journal of Environmental Management. Publisher: Elsevier	210 (226–238)	March 2018
13.	Adsorptive removal of Acid Violet 17 dye from wastewater using biosorbent obtained from NaOH and H ₂ SO ₄ activation of fallen leaves of <i>Ficus racemosa</i>	Journal of Molecular Liquids. Publisher: Elsevier	243 (132-143)	October 2017
14.	Fixed bed column study for the removal of Acid Blue 25 dye using NaOH-treated fallen leaves of <i>Ficus racemosa</i>	Desalination and Water Treatment. Publisher: Desalination	85 (215–225)	August 2017
15.	Acid Blue 113 removal from aqueous solution using novel biosorbent based on NaOH treated and surfactant modified fallen leaves of <i>Prunus Dulcis</i>	Journal of Environmental Chemical Engineering. Publisher: Elsevier	5 (3384–3394)	August 2017
16.	NaOH-treated dead leaves of <i>Ficus racemosa</i> as an efficient biosorbent for Acid Blue 25 removal	International Journal of Environmental Science and Technology. Publisher: Springer	14 (531–542)	March 2017

Research Publications in National Journals:

Sr. No.	Title of paper	Journal of Publication	Year	Volume (Page no.)
1.	Fluid-Solid Heat Transfer in Cyclone Heat Exchanger' published in i-manager's	Journal on Future Engineering and Technology	2011	7 (53-60)
2.	Heat Transfer in Helical Coil Heat Exchanger	Journal on Future Engineering and Technology	2011	6 (35-40)

Research Publications in Conferences

Sr. No.	Title of paper	Conference details	Duration
1.	Adsorptive removal of copper metal Cu(II) ion from wastewater using low cost chemically modified biosorbent	International Conference on Emerging Trends and Advances in Civil and Environmental Engineering organized by Civil Engineering Department, KKWIEE & R., Nashik on	27-28 February 2018
2.	Photocatalytic Degradation of an Industrial Waste Water Containing Dyes	International Conference on Innovations in Sustainable Water and Wastewater Treatment Systems (ISWATS 2016) organized by DST, Government of India at Pune	21-23 April 2016
3.	Saw Dust As Best Available Adsorbent for the Treatment of Dye Bearing Water	National Conference held at NIT Durgapur, West Bengal	30 January-1 February 2014
4.	Production of Ethanol from Solid State Fermentation using Agricultural Wastes	National Conference held at P.R.E.C., Loni, Ahmadnagar	10-12 March, 2010

Reviewer:

Working as a reviewer for research articles in reputed Journals as

- Journal of Cleaner Production (Elsevier)
- Chemosphere (Elsevier)
- Inorganic Chemistry Communications (Elsevier)
- Process Safety and Environmental Protection (Elsevier)
- Chemical Engineering and Processing: Process Intensification (Elsevier)
- Ultrasonics Sonochemistry (Elsevier)
- Environmental Chemistry and Ecotoxicology (Elsevier)
- Heliyon (Elsevier)
- Desalination and Water Treatment (Desalination)
- Biomass Conversion and Biorefinery (Springer)
- SN Applied Sciences (Springer)
- International Journal of Industrial Chemistry (Springer)
- Water Conservation Science and Engineering (Springer)
- Scientific Reports (Springer)
- Environmental Monitoring and Assessment (Springer)
- Canadian Journal of Chemical Engineering (Wiley)
- Bioremediation Journal (Taylor and Francis)
- Sustainable Energy & Fuels (Royal Society of Chemistry)

Personal Details:

Date of Birth: 2nd June 1981

Gender: Male

Languages Known: Marathi, English and Hindi

I hereby declare that the information furnished here above is true to the best of my knowledge.

Place: Nashik

Date: 23/11/2023

Dr. Suyog Nandlal Jain