



Dr Nikhil Yashwant Ghare

Highlights

1. Ex Member Board of Studies in Chemical Engineering, Chemical Technology and Biotechnology , Kaviyitri Bahinabai Chaudhari North Maharashtra University, Jalgaon from August 2023 to June 2024
2. Total Experience= 34.5 years (20.5 Years teaching)
3. Conference papers – International-05, National-02
4. Reviewed papers for Pratibha Journal
5. Google scholar-

Citations	21	8
h-index	2	1
i10-index	1	0

- Objectives:

To contribute actively in the achievement of organizational goals and objectives while moving ahead on the path of professional growth, also continuous self-improvement and betterment.

To carryout studies incorporating considerations like sustainability and environmental responsibility into teaching and research endeavors for professional development of students and myself

- Personal:

Name: Dr. Ghare Nikhil Yashwant

Email: nikhil.ghare @rediffmail.com,

Date of Birth: 14th January 1968.

Nationality: Indian

Marital status: Married

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Contact No.: 9922411072, 8329045154

- Education:

1. Ph. D. (Chemical Engineering): North Maharashtra University, Jalgaon , October 2017.
2. M.E(Chemical): By Research, Nagpur University, National Environmental Engineering Research Institute, Nagpur , 1996, Grade A
3. B. Tech (Chemical): Nagpur University, Laxminarayan Institute of Technology, Nagpur , 1990, First class with Distinction,(66.71%).

- Experience: Teaching , Research and Consultancy – 29.5 years, Industry: 05 years

- Presently working as an Associate Professor in Chemical Engineering Department at **Gharda Institute of Technology**, Lavel, Khed, Maharashtra since 9 July 2024.

- Past Experience:

1. **SSBT's College of Engineering and Technology, Jalgaon** : Worked an Assistant Professor in Chemical Engineering. Joined as Sr. lecturer on 10 July 2008 to 1 July 2024[16 yrs]. *Details:* Subjects taught: Process Calculation, Transport Phenomena, Chemical Engineering Thermodynamics I and II , Mass Transfer-II, Fluid Mechanics, Particle and Fluid Particle Processing, Industrial Pollution Control

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Subjects taught in last three years: Mass Transfer II, Process Calculation, Petrochemical Technology, Transport Phenomena, Chemical Engg. Thermodynamics, Particle and Fluid Particle Processing,

Roles and Responsibilities:

Institute

1. Worked as Training and Placement Coordinator of Chemical Engineering department for 14 years
2. Worked as Coordinator for Career Oriented Certificate Course on “Cosmetic Technology” in Chemical Engineering Department recognized by KBCNMU, Jalgaon year 2020-21 and year 2021-22
3. Worked as PMKVY Certificate Course Coordinator for the course Wastewater Treatment Plant Technician and Wastewater Treatment Plant Helper for 1 year
4. Worked as PMKVY Certificate Course Coordinator for the course Powder Coater

Department

1. Class teacher B. E. Chemical Engineering for 15 years
 2. Faculty advisor - Chemical Engineering Students Association (CHESA) for 15 years
 3. Laboratory In-charge of 6 Chemical Engineering Department laboratories for 12 years
 4. Library In-charge, Chemical Engineering Department Library for 8 years
2. **Shri Datta Meghe Polytechnic (Nagpur):** Lecturer in Chemical Engineering from July 2007 to April 2008 and from December 1998 to April 2000 . *Details:* Subjects taught: Plant Utilities, Process Calculations, Fluid flow Operations, Plant Engineering
 3. **Nagpur Polytechnic (Nagpur):** Lecturer in Chemical Engineering, July 2005 – April 2007, *Details:* Subjects taught: Plant Utilities, Fluid flow Operations, Pollution Control
 4. **Suyog Orechem (I) Pvt. Ltd. (Nagpur):** September 2001 to June 2005 *Details:* **Technical Executive**-Research and Development of speciality chemicals
 5. **Sona Oil Ltd. (Nagpur):** Assistant Head, ETP from June 2000 to Aug. 2001 *Details:* Monitoring and operation of ETP
 6. **National Environmental Engineering Research Institute (Nagpur):** Project Fellow from July 1992 to August 1998, *Details:* Environmental engineering projects research work
 1. **Ph.D:** Evaluation of Recovery of Different Inorganic Acids from Wastewater
 2. **M.E:** Treatment of spent pickle liquor of steel industry with recourse to recovery of hydrochloric acid
 3. **B. Tech.:** Manufacture of vinyl chloride monomer

PUBLICATIONS IN JOURNALS (INTERNATIONAL)-Scopus Indexed: 1

LIST OF PUBLICATIONS

1. V.Kulkarni, Nikhil Ghare & P. Khanna “Cleaner technologies for select industries” Productivity, April- June 1994, pp. 74-81.
2. Nikhil Y. Ghare, M. Sureshkumar, A.S. Vaidya & A.N. Bal “Recovery of acid from pickling liquors” Environmental Engineering Science, Volume 15, No. 4, 1998, pp.259- 263
3. N.Y. Ghare, A. Bakore, V. Kulkarni & P. Khanna “Cleaner technologies of Industrial Production-Indian Scenario” Tech Monitor, March- April 1994, pp.54-58
4. N. Y. Ghare , K. S. Wani and V. S. Patil “Recovery of acids from spent pickle liquor of a steel industry by ion-exchange route “International Journal of Emerging Trends in Engineering and Development, Issue 4, Vol.1 (January 2014) pp. 318- 326
5. N. Y. Ghare , K. S. Wani and V. S. Patil “Recovery of acids from spent pickle liquor of a electroplating industry by solvent extraction” International Journal of Creative Research Thoughts ,Vol. 6, No. 1, January 2018, pp. 515- 526.
6. N. Y. Ghare , V.R. Diware and K. S. Wani “Preparation of Tartaric Acid from Tamarind Leaves”, International Journal of Management, Technology and Engineering, Vol.9, No. 1 ,2019, pp.1255-1262.
7. V.P.Sangore, N.Y.Ghare and S.A.Thakur “Chemical Route Synthesis of Zinc Oxide Nanoparticles through Precipitation” PRATIBHA: International Journal of Science, Spirituality, Business and Technology (IJSSBT),

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Vol. 7, No. 2, SEPTEMBER 2020, ISSN (Print) 2277-7261, pp.30-32.

8. Sakshi Baniya and N.Y.Ghare “Designing of Membrane Bio-reactor for Sewage Treatment Plant” PRATIBHA: International Journal of Science, Spirituality, Business and Technology (IJSSBT), Vol. 8, No. 2, January 2022, ISSN (Print) 2277-7261, pp.41-43.
9. Sandeep Thakur, Vijay Sangore, Nikhil Ghare, Vijay Diware and Sanjay Bhagat “Phytochemical Screening and Extraction of Products from Grass” International Journal of Creative Research Thoughts, Vol.11, No.7, July 2023, ISSN:2320-2882, pp. c71-c81.
10. Nikhil Ghare, Vijay Kulkarni, Purushottam Khanna “Source reduction and cleaner technologies for select industries”, Chemical Industry Digest, August 1995, 93-102.
11. N. Y. Ghare, K. S. Wani and V. S. Patil “A Review on Methods of Recovery of Acid(s) from Spent Pickle Liquor of Steel Industry” J Environ. Science & Engg., Vol.55, No.2, 2013, pp. 253-266.

List of paper presented in conferences (International):05, National: 02

Sr. No.	Date, Year	Paper Name	Venue	Authors
1	29 March 2010	Recovery of Hydrochloric Acid from Spent Pickle Liquor of Steel Industry National Conference on “Emerging Trends in Engineering, Technology and Management”	SSBT's C.O.E.T., Bambhori, Jalgaon	N.Y.Ghare, K.S.Wani and V.S.Patil
2	21-22 January 2011	Analysis and recovery of Sulfuric acid from Spent Liquor of Electroplating Industry in “National Conference on Environmental Innovations for Resource Sustainability”	NMU, Jalgaon	N.Y.Ghare, K.S.Wani and V.S.Patil
3	29 March 2011	Cost effective method of recovery of Zn^{2+} ions from binary mixtures Mn^{2+} Mg^{2+} Ca^{2+} Ba^{2+} Sr^{2+} using an ion exchanger loaded with Na chelating molecules of 8-hydroxyquinoline-5 sulphonic acid in International Conference on “Advances in Energy Technology”	SSBT's C.O.E.T., Bambhori, Jalgaon	N.M. Limaye and Nikhil Ghare
4	28 -30 December 2019	“Extraction of Ginger Oil” International Conference on Global Trends in Science, Technology, Humanity, Commerce and Management (ICGTSTHCM19)	SSBT's C.O.E.T., Bambhori, Jalgaon	V. R. Diware, N.Y.Ghare, K.S.Wani and S.A.Thakur
5	28 -30 December 2019	“Caffeine Extraction from Coffee Husk” International Conference on Global Trends in Science, Technology, Humanity, Commerce and Management (ICGTSTHCM19)	SSBT's C.O.E.T., Bambhori, Jalgaon	N.Y.Ghare, V.P.Sangore and J.P.Parpalliwar
6	28 -30 December 2019	A Study on Adsorption and Nanofiltration Membrane Technology for Treatment of Pharmaceutical Wastewater” International Conference on Global Trends in Science, Technology, Humanity, Commerce and Management (ICGTSTHCM19)	SSBT's C.O.E.T., Bambhori, Jalgaon	P.G. Thakre, V.S. Sapkal, V.P.Sangore and N.Y.Ghare
7	1-3 January, 2022	Designing of Membrane Bio-reactor for Sewage Treatment Plant” International Conference on Global Trends in Science, Technology, Humanity, Commerce and Management (ICGTSTHCM22),	SSBT's C.O.E.T., Bambhori, Jalgaon	Sakshi Baniya and Dr.N.Y.Ghare

• List of Workshops , Training Programs and FDP attended

A) Workshops:

1. Attended three days Teachers' Training Workshop on **"SHRAM SADHANA"** jointly organized by SSBT's C.O.E.T., Bambhori, Jalgaon and Deepstambh Foundation Jalgaon during July 9-11, 2009
2. Attended three days National Level Workshop on **"Research Methodology"** organized by Department of Mechanical Engineering & Department of Business Administration, at SSBT's C.O.E.T., Bambhori, Jalgaon during October 17-19, 2011.
3. Attended two week ISTE workshop on **"Fluid Mechanics"** conducted by Indian Institute of Technology, Kharagpur during May 20-30, 2014.
4. Participated in a **"Industrial Automation Workshop"** conducted by Teknocrat's Academy of Automation & Control Technology organized at Department of Chemical Engineering, SSBT's College of Engineering and Technology, Bambhori, Jalgaon, during March 12-13, 2015.
5. Attended one day Workshop on **"Techniques & Tools for Data Analysis-University Result Analysis as A Case"** organized by Department of Computer Engineering SSBT's C.O.E.T., Bambhori, Jalgaon on 21 February 2017.
6. Attended one day National Level Workshop on **"NBA Accreditation"** organized by NYSS MBA Institute, at NYSS MBA Institute, Nagpur on 11 January 2018.
7. Attended two days online workshop on **"Process Intensification in Chemical Technology"** from 08th May 2020 to 09th May 2020 organized by Sir Visvesaraya Institute of Technology, Nashik.
8. Attended 3-Days Online Workshop on **"Sustainable Development in Chemical Processes"** from 21st May 2020 to 23rd May 2020 organized by K. K. Wagh Institute of Engineering Education & Research, Nashik.
9. Attended one week Workshop on **"Renewable Energy: Application & Entrepreneurship"** from 26th –30th May 2020 organized by S.S.B.T.'s, College of Engineering & Technology, Bambhori, Jalgaon, (M. S.) India.

B) STTP:

1. Attended one week STTP on **"Advances in Separation Processes"** organized by Department of Chemical Engineering, Visvesvaraya National Institute of Technology, Nagpur during June 3-7, 2013.
2. Attended one week STTP on **"Faculty Development Programme"** organized by National Institute of Technical Teachers' Training and Research, Bhopal during October 13-18, 2016.
3. Attended One Week Online STTP on **"Renewable Energy and Utilization"**, organized by Department of Mechanical Engineering of SANDIP Institute of Engineering and Management, Nashik, during May 26 – 30, 2020.
4. Attended AICTE Sponsored One Week Online STTP on **"Industrial Pollution and Control Strategies"**, organized by Department of Chemical Engineering, Anurag Group of Institution, Ghatkesar (M), Medchal (D), Telangan, during November 23 – 28, 2020.
5. Attended one week Short Term Training Program (STTP) on **"Current and Future Trends of advances in Material Science and Technology"** from 21st to 26th December 2020 organized by Suryodaya College of Engineering & Technology, Nagpur (M. S.) India.
6. Attended one week Short Term Training Program (STTP) on **"Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates"** from 14th to 19th December 2020 organized by School of Engineering & Technology, GIET University, Gunpur.
7. Attended one week Online one week Short Term Training Program (STTP) on **"Nanotechnology, Science and Applications"** from 26th October 2020 to 31st October 2020 organized by JSPM's Rajarshi Shahu College of Engineering, Pune.

C) FDP:

1. Attended 2-Days FDP on **"Chemical Process Control-Past, Present and Future"** organized by Institute of Chemical Technology, Mumbai during May 30-31, 2015.

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2. Attended 5-Days online FDP on **“Development and Impact of Recent Technologies & Innovations in Chemical Engineering”** from June 21-25, 2020 organized by Mahatma Gandhi Mission’s College of Engineering & Technology, Sector-18, Kamothe, Navi Mumbai, Maharashtra .
3. Attended 3-Days Online Faculty Development Programme on **“Chemical Engineering –Towards Sustainability and Process Intensification”** from 15 June 2020 to 17 June 2020 organized by Gharda Institute of Technology, Lavel.
4. Attended 3-Days Online Faculty Development Programme on **“ Municipal Solid Waste Management during Covid-19 Pandemic”** from 28 to 30 May 2020 organized by Anurag Group of Institutions, Medchal, Telangana
5. Attended Five Day Online Faculty Development Programme (FDP) on **“Recent Innovations in Chemical Engineering (RICE)”** organized by Department of Chemical Engineering, BKIT BHALKI during June 29 - July 3, 2020
6. Attended one week Online Elementary Faculty Development Programme (FDP) on **“Recycling of Plastics for Sustainable Growth”** from 10 to 14 January 2022 organized by Central Institute of Petrochemicals Engineering & Technology(CIPET): Institute of Plastics Technology(IPT).
7. Attended one week Online Elementary Faculty Development Programme (FDP) on **“Sustainability Engineering”** from 18 to 22 January 2022 organized by Savitribai Phule Pune University

Other Activities

1. Worked as Organizing Committee Member in Yuvarang 2015 , University level intercollegiate Youth Festival jointly organized by North Maharashtra University, Jalgaon and Shram Sadhana Bombay Trust’ s College of Engineering & Technology Bambhori, Jalgaon on January 7-10, 2016
2. Participated in In-house Program on **“Best Practices in Teaching-Learning Methods and NBA Accreditation Process”** organized by Engineering Staff College of India at Jalgaon during March 22-26, 2017
3. Attended **Structure & Syllabus Framing (S.E) workshop** for Under Graduate Program in Chemical Engineering under NMU, Jalgaon at SSBT’s College of Engineering & Technology, Bambhori, Jalgaon on March 18th , 2013.
4. Participated in One Day Workshop on **Syllabus Framing** for Second Year Chemical Engineering of North Maharashtra University, Jalgaon organized by Department of Chemical Engineering, SSBT’s College of Engineering & Technology, Bambhori, Jalgaon on July 03rd , 2018.
5. Participated in One Day Workshop on **Syllabus Framing** for Second Year and Third Year Chemical Engineering of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon organized by Department of Chemical Engineering, SSBT’s College of Engineering & Technology, Bambhori, Jalgaon on January 28th , 2019.
6. Participated in one day seminar on **“Adoption and Promotion of e-learning in Higher Education Institutes” organized by Internal Quality Assurance Cell** of Shram Sadhana Bombay Trust’ s College of Engineering & Technology Bambhori, Jalgaon on 5th January, 2019.
7. Attended webinar on **“Digital Transformation in Plant Engineering”** organized by Maharashtra Association of Training & Placement Officer’s on 24th May 2020.
8. Attended Webinar on **“Brief Insights on Project Management in Oil and Gas Engineering, Procurement & Construction Projects”** Shram Sadhana Bombay Trust’ s College of Engineering & Technology Bambhori, Jalgaon on 27th June, 2020.
9. Attended the Train –the –Teacher Training Program (TTT Program) on the theme **“Online Learning: Live Classroom Teaching Platforms”** organized by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon during July 24-27th , 2020.
10. Attended Webinar on **“Best Practices in Laboratory Safety Management”** organized by Arts, Science and Commerce College, Chikhaldara on 26 December 2020.
11. Worked as **“Presiding Officer”** in Zilla Parishad , Grampanchayat & Panchayat Samiti Elections, 2017.
12. Worked as **“Senior Supervisor(External)”** in Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon examinations
13. Member, Research Advisory Committee, SSBT’s College of Engineering and Technology, Bambhori, Jalgaon

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• **Professional Membership:** ISTE –LM 140893, International Association of Engineers (IAENG) Member, Institution of Engineers (India), Kolkata

• **Research Interests:**

Acid recovery from wastewater, Cleaner technologies

Other activities & responsibilities: Reviewed papers for

1. PRATIBHA: International Journal of Science, Spirituality, Business and Technology (IJSSBT)

Place:

Date

(Dr. Nikhil Yashwant Ghare)