

Name **MR. NITIN GAJANAN KANSE**
M Tech (Chemical Engineering),
PhD [Thesis Submitted]

Designation **Assistant Professor**

Department **Chemical Engineering**

Date of Joining the Institute **07/12/2011**

Education **Diploma in Chemical Engineering 2005**
B. Tech Chemical Engineering 2008
M Tech Chemical Engineering, LIT, 2010

Branch / Specialization **PhD [Thesis Submitted], March 2017**

Areas of Interest **Modeling and Simulation in Chemical Engineering, Polymer Technology**
Computer Programming and Numerical Methods, Computational Fluid Dynamics

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Academic Appointments

Name of the University / Institute / Industry	Duration	Designation
FAMT, Ratnagiri	From 07/12/11 to till date	Assistant Professor
TKIET, Warananagar	26 July 2011 to 5 Dec. 2011	Assistant Professor
JDIET Yavatmal	19 July 2010 to 23 July 2011	Lecturer
Total Experience – 7 Years		

Seminars/Lecture/Invited Talks Conducted

1. Delivered **Guest Lecturer** on “**Application of Polymath in Chemical Engineering** “ in PVPIT, Budhgaon, Sangli on dated 19th February 2013
2. Delivered **Guest Lecturer** on “**Application of MATLAB in Chemical Engineering**” in PVPIT, Budhgaon, Sangli on dated 8th March 2013

International Journals – 11

1. Saurabh S. Mahatme , **Nitin G. Kanse**, Annasaheb K. Bandsode “Pulp And Paper Production From Pineapple Leaves As A Substitute To Wood Source: A Review” International Journal Of Creative Research Thoughts, Volume 6, Issue 2 April 2018.
2. **Nitin G. Kanse**, Shah Chirag, Suryawanshi Vishal “Effects of Operating Parameters on Extraction of Pectin from Orange Peel’s” International Journal of Engineering Technology Science and Research, Volume 5, Issue 4, April 2018.
3. Prashant Dhanke, Sameer Wagh, **Nitin Kanse** “Degradation of Fish Processing Industry Wastewater in Hydrocavitation” Elsevier journal Materials Today: Proceedings, Vol. 5 (2018). pp. 3699–3703.
4. **Nitin G. Kanse**, S. D. Dawande “Effect of temperature and solution concentration on Pervaporation for separation of azeotropic mixtures” Elsevier journal Materials Today: Proceedings, Vol. 5 (2018), pp. 3541-3550
5. **Nitin G. Kanse**, S. D. Dawande “Separation of Ethanol/Water (Azeotropic mixture) by Pervaporation” Elsevier journal Materials Today: Proceedings, Vol. 4 Oct. 2017, pp. 10520–10523
6. **Nitin G.Kanse**, Mokal Deepali, Patil Kiran, Bhandurge Priyanka and Prashant Dhanke “A Review on Citric Acid Production and Its Applications” International Journal of Current Advanced Research, Volume 6; Issue 9, September (2017), pp. 5880-5883
7. **Nitin G. Kanse**, Shah Chirag, Salunkhe Swapnil, Suryawanshi Vishal “Extraction of Pectin from Orange Peel’s and Its Applications: Review” International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 9, September(2017), pp. 19452-19457,
8. **Nitin G. Kanse***, S. D. Dawande “Comparative Study of Pervaporation Separation of IPA/water Mixture using Different Membranes”. Elixir Chem. Engg. 100 (2016) 4341043413, ISSN:2229-712X, Global Impact Factor: 0.454
9. **Nitin G. Kanse***, Dr. S. D. Dawande “A Review of Pervaporation Membrane System for the Separation of Ethanol/Water (Azeotropic Mixture)” International Journal of Engineering Sciences & Research Technology, 4.(12) . December, (2015), pp.472-479
10. Ghanshyam Pandhare, Nikhilesh Trivedi, **Nitin Kanse**, S.D.Dawande “Synthesis of low cost Adsorbent from Azadirachta Indica Leaf Powder” International Journal of Advanced Engineering Research and Studies, Vol. II/ Issue II/Jan.-March.,(2013), pp.29-31
11. Dhundiraj P. Deshpande, S.V.Aneker and **N. G. Kanse** “Catalytic cracking of used palm oils”, International Journal of Biotechnology, Chemical & Environmental Engineering (IJBCEE) Vol.1, (1), April (2012), pp.28-32

National Journals – 03

1. Padole Manjusha, Sapkal Pradyumna, Dawande S.D. and **Nitin Kanse** “Heat Integration of Crude Organic Distillation Unit” Research Journal of Engineering Sciences, Vol. 2(2), 1-6, February (2013), pp.47-55
2. **Kanse Nitin G.**, Dhanke P.B. and Thombare Abhijit “Modeling and Simulation Study of the CSTR for Complex Reaction by Using Polymath” Research Journal of Chemical Sciences Vol. 2(4), April (2012), pp.79-85
3. **Kanse Nitin G.** and Dawande S.D. “RTD Studies in Plug Flow Reactor and its Simulation with Comparing Non Ideal Reactors” Research Journal of Recent Sciences, Vol. 1(2), 42-48, Feb. (2012), pp. 42-48

Papers Presented/Published in National/ International Conferences - 22

National Conferences – 17

1. Paper presented entitled “**Effects of Operating Parameters on Extraction of Pectin from Orange Peel’s**” in **SHODH 2018** organized by Gharda Institute of Technology, Lavel on, 10-11, March 2018.
2. Paper presented entitled “**Modeling of Ethanol/Water separation by Pervaporation Membrane Process**” in National Conference on Recent trends in Chemical Engineering and Technology (**REACT-2016**) organized by Laxminarayan Institute of Technology, Nagpur on 27-28, February, 2016.
3. Paper presented entitled “**Hydrocarbon feedstock from Castor Oil**” in 2nd National Conference on Recent Advances in Science and Technology (**RAST2k16**) organized by Department of Chemical Engineering, FAMT Ratnagiri on 17-18, February, 2016.
4. Paper presented entitled “**Production of Bio-Diesel using Ultrasonic Cavitation Reactor**” in 2nd National Conference on Recent Advances in Science and Technology (**RAST2k16**) organized by Department of Chemical Engineering, FAMT Ratnagiri on 17-18, February, 2016.
5. Paper presented entitled “**Modeling and Simulation of Methyl Tertiary Butyl Ether (MTBE) Reactive Distillation column using ASPEN PLUS**” in the 2nd National Conference on Recent Advances in Science and Technology (**RAST2k16**) organized by Department of Chemical Engineering, FAMT Ratnagiri on 17-18, February, 2016.
6. Paper presented entitled “**Production of Bio-Diesel Using Oscillatory Reactor: A Process Intensification Technique**” in the **CHEMCON-2013** 66th Annual Indian Chemical Engineering Congress organized by Institute of Chemical Technology, Mumbai 400 019, on 27-30, December, 2013
7. Paper presented entitled “**Fluoride Removal from Drinking Water By Adsorption - A Theoretical Review Using Bone Char as a Biosorbent**” in the Two Day technical event National Conference

on **GREENCHEM-2013** organized by Department of Chemical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal on 11-12, October, 2013.

8. Paper presented entitled “**Performance of Pervaporation Membrane Separation Technique and Its applications**” in the **SCHEMCON-2013** 19th Annual Session Students Chemical Engineering Congress organized by Department of Chemical Engineering, MVGR College of Engineering, Vijayaramnagar Campus, Chinthalavalasa,(AP) on 14-15, September, 2013.
9. Paper presented entitled “**Bio-Filtration for control of air pollution**” in National conference on Green Chemistry and Engineering (**NCGCE-2013**) organized by Department of Chemical Engineering Visvesvaraya National Institute of Technology, Nagpur on 22nd March, 2013
10. Paper presented entitled “**Study of biodiesel production from linseed oil using transesterification**” in National Conference on Emerging Trends in Engineering and Technology (**NCETETA-2012**) organized by Padmabhooshan Vasandraodada Patil Institute of Technology, Budhgaon, Sangali on 18-19, February, 2013.
11. Paper presented entitled “**Simulation Study of the CSTR for Complex Reaction by Using Polymath**” in the National conference **GreenChem-2012** organized by Jawaharlal Darda Institute of Engineering and Technology, Yavatmal on 27-28, February, 2012.
12. Paper presented entitled “**Algal Biofuel Production Technologies: A Review**” in the National Conference on Emerging Trends in Engineering, Technology and Architecture (**NCETETA-2012**) organized by D. Y.Patil College of Engineering and Technology, Kasaba Bawada, Kolhapur on 28-29, January, 2012.
13. Paper presented entitled “**Performance Analysis of Shell and Tube Heat Exchanger Using Polymath**” in the Indian Chemical Engineering Congress, 64th annual session **CHEMCON-2011** organized by M. S. Ramaiah Institute of Technology, Bangalore on 27-29, December, 2011.
14. Paper presented entitled “**Catalytic Cracking of Vegetable Oils – Alternate Route to Liquid Fuels**” in the National conference on **The Renewable Energy Sources- A plausible solution to looming energy crisis** sponsored by ministry of New and Renewable Energy Gov of India organized by Shrinathji Institute of Technology and Engineering, Upali-Oden Nathdwara, Rajasthan on 25-26 June. 2011.
15. Paper presented entitled “**Nanotechnology for Human Health Care**” in the **NCNST-2011** organized by Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur on 21-22 February, 2011
16. Paper presented entitled “**Removal of Arsenic Using Waste Oyster Shell**” in the National conference **Eev-2011** organized at Vits Hotel Aurangabad on 19-20 February, 2011.
17. Paper presented entitled “**Simulation of Non-Ideal Reactor Using Residence Time Distribution Function**” in **CHEMCON-2010** organized by Indian Institute of Chemical Engineers, Annamalai, Tamilnadu on 27-30 December, 2010.

International Conferences – 05

1. Paper presented entitled “**Effects of Operating Parameters on Extraction of Pectin from Orange Peel’s.**” in International Conference on Advancements and Innovations in Engineering, Technology organized by St. PETER’S ENGINEERING COLLEGE. Telangana on 27th- 28th, April 2018
2. Paper presented entitled “**Effect of temperature and solution concentration on Pervaporation for separation of azeotropic mixtures.**” in 7th International conference on Materials processing and Characterization (**ICMPC-2017**) organized by department of mechanical engineering, Gokaraju Rangaraju Institute of engineering and technology, Hyderabad on 17th -19th March, 2017.
3. Paper presented entitled “**Separation of Ethanol/Water (Azeotropic mixture) by Pervaporation using PVA Membrane**” in International Conference on Recent Trends in Engineering and Material Science (**ICEMS-2016**) organized by Jaipur National University on 17-19, March, 2016.
4. Paper presented entitled “**Design and Optimization of Tanks in Series Model for Residence Time Distribution Function using Polymath**” in the Indian Chemical Engineering Congress, 65th annual session of Indian Institute of Chemical Engineers, **CHEMCON-2012** organized by Indian Institute of Chemical Engineers Doaba Regional center and Department of Chemical Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Panjab on 27-30 December, 2012.
5. Paper presented entitled “**Modeling and Simulation of the Tank in Series Model Using Polymath**” in the 1st International Science Congress (**ISC-2011**) organized by Maharaja Ranjit Singh College of Professional Science, Indore on 24-25 December, 2011.

Number of Workshops, Seminars, STTPs, FDPs Attended – 14

STTPs and FDPs

1. Attended Short Term Training Programme sponsored by ISTE on “**Effective Research Methodology**” organized by Priyadarshini Institute of Engineering & Technology, Nagpur during 5-16, October, 2015.
2. Attended Faculty Development Program on “**Application of CFD in Chemical Engineering**” conducted by Department of Chemical Engineering, Pravara Rural Engineering College Loni, on 24-25, August, 2015.
3. Attended One week interdisciplinary STTP on “**Application of Bioprocess and Nanotechnology in Chemical Engineering**” organized by Department of Chemical Engineering, SGGIS Institute of Engineering and Technology, Nanded during 18-22, December, 2014.
4. Attended Two Week interdisciplinary short term training programme approved by ISTE, New Delhi on “**Advances in Heat Transfer, Fluid Mechanics and Mass Transfer**” organized by Department of Chemical Engineering Jawaharlal Darda Institute of Engineering & Technology, Yavatmal during 2 -11, December, 2013.

5. Attended Two Week AICTE Sponsored staff development programme on “**Recent Advances in Chemical Process Control**” Conducted by Department of Chemical Engineering Sinhgad College of Engineering, Pune during 16-28, May, 2011.

Two Week or One Week Workshops

1. Attended One week workshop on “**Utilization of Computer Techniques for Chemical Engineering**” organized by D. Y. Patil College of Engineering and Research and Management, Pune during June, 06-12, 2017.
2. Attended One week workshop on weekends on “**Funding Schemes Available for Research Proposal**” organized by Research, Development and consultancy cell (RDCC), Finolex Academy of Management and Technology, Ratnagiri during 13th February – 23rd April, 2016.
3. Attended Two Week ISTE Workshop on “**Control Systems**” conducted by Indian Institute of Technology Kharagpur under the National Mission on Education through ICT (MHRD) organized in Finolex Academy of Management and Technology, Ratnagiri during 2-12, December, 2014.
4. Attended Two Week ISTE Workshop on “**Fluid Mechanics**” conducted by Indian Institute of Technology Kharagpur under the National Mission on Education through ICT (MHRD) organized in Finolex Academy of Management and Technology, Ratnagiri during 20-30, May, 2014.
5. Attended Two Week ISTE Workshop on “**Computational Fluid Dynamics**” conducted by Indian Institute of Technology Bombay under the National Mission on Education through ICT (MHRD) organized in Visvesvaraya National Institute of Technology, Nagpur during 12-22, June, 2012.

Two Day or One Day Workshops

1. Attended One day Workshop on “**Process simulation using Aspen Plus**” organized by Department of Chemical Engineering, Department of Chemical Engineering, PVPIT Budgaon, Sangali on 19th September, 2015.

Seminars

1. Attended Two Day ISTE e-seminar on “**Steps 2 Research**” organized by Department of Computer Science, Department of Computer Applications, Amal Jyothi College of Engineering Kanjirappally in association with ISTE Kerala section and CSI Cochin chapter in Finolex Academy of Management and Technology, Ratnagiri during 19-20, September, 2014.
2. Attended National level Seminar on “**Role of Bio-Energy in Sustainable Growth**” Sponsored by all India Council for Technical Education (AICTE) organized by Department of Chemical Engineering, MIT, Academy of Engineering Alandi(D), Pune during 30-31, August, 2013.
3. Attended one day seminar on “**Research Methodology and Recent Techniques**” Conducted by University of Mumbai, Sub-Centre Ratnagiri on 25th February, 2012.

Professional Membership

1. IChE life associate member (LAM-46712)
2. International Association of Engineers (IAENG) (Member No: 131363)
3. IAENG Society of Chemical Engineering
4. IAENG Society of Society of Bioinformatics
5. IAENG Society of Industrial Engineering
6. IAENG Society of Operations Research
7. International Union of Pure and Applied Chemistry (IUPAC), USA
8. International Society of Food Engineering (ISFE) (Member No: 1546)USA
9. International Separation Science Society (CASSS Id: 41422113), USA
10. American Oil Chemist's Society (AOCS), USA
11. World Environmental Organization, Washington
12. World Academy of Science, Engineering and Technology, USA
13. American Association for the Advancement of Science (AAAS Number: 40936338)
14. Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES Member No.:201588) Hong Kong
15. International Association of Online Engineering (IAOE), Austria

College Exam Duties

1. Worked as **Senior Supervisor** for first half of 2015 at FAMT Ratnagiri.
2. Carried out exam related duties such as **Paper Setter, Moderator, Examiner and External Examiner for conducting theory, practical and oral exam** as appointed by Board of Examination, Mumbai University.
3. Worked as **External Examiner** For practical/ oral and project
4. Worked as Departmental **Teacher in Charge** for **Practical's/Viva** 2015-16

Other Experience

College Level Committees

1. Worked as **Coordinator** for one day workshop on **Introduction to Python Programming** conducted by Department of Chemical Engineering FAMT Ratnagiri on 14th July 2018.
2. Worked as a **Member of Organizing Committee** for one day workshop on Intellectual Property Rights (IPR) conducted for faculty members, lab assistants and PG students organized by Research & Consultancy Development Committee (**RCDC**) on 24th & 25th March 2018.
3. Worked as a **Member of Organizing Committee** for one day workshop on Intellectual

Property Rights (IPR) conducted for under graduate students (Engineering) organized by Research & Consultancy Development Committee (RCDC) on 24th March 2018.

4. Worked as a **Committee Member** in **RAST2K16** organized by Department of chemical engineering on 17th – 18th February 2016.
5. Worked as **Coordinator** for one day workshop on **Computational Fluid Dynamics** conducted by Department of Chemical Engineering FAMT Ratnagiri on 9th October 2015
6. Working as a **departmental coordinator** for **NAAC Criteria-I** committee
7. Working as a **departmental Web co-coordinator** of Website Administration committee (WAC) of Finolex Academy of Management and Technology, Ratnagiri.
8. Working as **Core Member** in **Research & Consultancy Development Committee (RCDC)**
9. Working as **Core Member** in **Intellectual Property Rights (IPR)**

Judge Panel / Staff Selection Committee / Subject Expert

1. Worked as Judge for Paper and Poster Presentation in Tech-Fest **SHODH-2017** organized by Department of Chemical Engineering GIT, Lavel on dated 1st -2nd April 2017.
2. **Convener** for subject revision in CPNM and CFD subject for 2017-18, in Mumbai university
3. Worked as a **Judge** for State Level Technical project Presentation competition in “**Technotsav 2k16**” organized by FAMT student chapter in 2016.

Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Modeling and Simulation in Chemical Engineering,	BE Chemical Engineering (Sem - VIII)	4 Year
2.	Computer Programming and Numerical Methods	SE Chemical Engineering (Sem - III)	5 Years
3.	Computational Fluid Dynamics	TE Chemical Engineering (Sem - VI)	4 Years
4.	Modeling, Simulation and Optimization	BE Chemical Engineering (Sem - VIII)	4 Years
5.	Polymer Engineering/Technology	BE Chemical Engineering (Sem - VII)	3 Years
6.	Computer Application	SE Chemical Engineering (Sem - III)	1 Years