

Name **MR. NITIN GAJANAN KANSE**

Date of Birth 13/06/1984

Highest Qualification **M.Tech, PhD Pursuing**

Branch / Specialization Chemical Engineering

Designation **Assistant Professor**

Department Chemical Engineering

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



Work Experience

Working with Finolex academy of management and technology as lecturer from 7/12/2011 to till date (5 years experience)

Number of Papers Presented/Published in National/ International Conferences

20

Details

1. 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.
2. 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.
3. 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.
4. 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.
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.

6. 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.
7. 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.
8. 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.
9. 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.
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 Vasantraodada Patil Institute of Technology, Budhgaon, Sangali on 18-19, February, 2013.
11. 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.
12. 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.

13. 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.
14. 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
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.

20. 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.

Number of Papers Presented/Published in National/ International Journals

7 Published

2 Papers accepted in Elsevier journal Materials Today
1 book chapter published in apple academic press Canada

Details

1. **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
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. 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
4. 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
5. 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
6. 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
7. **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

1. 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.
2. Attended one day seminar on “**Research Methodology and Recent Techniques**” Conducted by University of Mumbai, Sub-Centre Ratnagiri on 25th February, 2012.
3. 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.
4. 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.

Details

5. 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.
6. 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.
7. 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.
8. 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.

9. Attended One week interdisciplinary STTP on “*Application of Bioprocess and Nanotechnology in Chemical Engineering*” organized by Department of Chemical Engineering, SGGGS Institute of Engineering and Technology, Nanded during 18-22, December, 2014.
10. 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.
11. 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.
12. 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.

**Students projects
Guided at Masters
Level**

Details

Nil

**Membership in
Professional Bodies**

15

Details

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), 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 (APCBEES Member No.:201588) Hong Kong

15. International Association of Online Engineering (IAOE), Austria

Seminars/Lecture/
Invited Talks
Delivered As
Resource Person
Details

2

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.
3. 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.

Awards / Honours /
Prizes

NIL

Details

NIL

Research /
Sponsored /
Consultancy Projects

NIL