

## Dr. Kishor Sopan Wani (Principal)

**Address:** (O): SSBT's College of Engineering & Technology, Bambhori,  
Jalgaon. P.Box No. 94. Jalgaon 425001

(R): 31/2, "Annapurna", Gandharva Colony, Jalgaon-425001.

**Contact:** Mob- +919423774254

Office: 0275 2258391/93

**Email:** [wani.kishor@gmail.com](mailto:wani.kishor@gmail.com)



### ACADEMIC QUALIFICATIONS:

#### Ph. D.(Biotechnology)

North Maharashtra University, Jalgaon.

#### M.Tech (Chemical Technology):

Laxminarayan Institute of Technology, Nagpur

**D.B.M. :** Bharati Vidya Bhavans Rajendra Prasad Institute of Management, Mumbai, (Nagpur Chapter)

### PROFESSIONAL EXPERIENCE:

#### A. Teaching:

Total: 30 Years 9 months.

PG Teacher: 8 years.

#### B. Administration:

1. Principal, SMIT Polytechnic, Jalgaon.
2. Head, Chemical Engg. Department, SSBT's College of Engineering & Technology, Bambhori, Jalgaon
3. Principal since 14<sup>th</sup> October, 2011 till date, SSBT's College of Engineering & Technology, Bambhori, Jalgaon

#### C. General Administration

1. Chairman, Antiragging Committee
2. Chairman, Library Committee
3. Chairman, Vice Chairman & Co-ordinator, Admission Committee
4. Co ordinator: Academics & R&D
5. Member, Proctoral Board
6. Patron of International & National Conferences, Seminars, Workshops, Student Technical Paper Presentations (Milestone 2K Series), SSBT Fest., & other activities from Oct 2011.

## RESEARCH & PUBLICATIONS:

### RESEARCH:

- Ph.D. Guide in Chemical Engineering & Technology of N.M.U., Jalgaon
- Ph.D. Guide in Biotechnology of N.M.U., Jalgaon

1. No. of Ph.D.'s guided: 01
2. No. of students pursuing Ph.D.: 04
3. No. of M.E. Projects Guided: 06

### Patent:

First & true inventor of the patent (dated 2/01/2006) on "A Method for production of orange colored aliphatic pigment by *Chryseobacterium Indologenes* (Patent No. 196509 of 16/12/2003, A-MU/0865).

### Reviewer:

P.M.Patil and M. Husain, "Specific microbial degradation kinetics of food waste: a case study" in "Frontiers in Environmental Engineering (FIEE)" on 13 October 2013.

## RESEARCH PUBLICATIONS:

### A. International Publications

1. V.S.Patil, J.D.Dhake, **K.S.Wani**. "Development of Acetylation Technique for chemical modification of cellulose fiber using baggase, bamboo & pad pulps", published in "Oriental Journal of Chemistry", Vol 19, No.3, 2003, pp-681-684. Impact Factor: 0.479, ISSN No: 0970-020X.
2. **K.S.Wani**, B.S.Naphade, B.L.Chaudhari & S.B.Chincholkar. "Pigment Production" published in "Concise Encyclopedia of Bioresource Technology", Haworth press publication, New York, 1<sup>st</sup> April 2004, pp 645 - 652.
3. S.S.Sonawane, G.A.Usmani, V.R.Parate, V.S.Patil, **K.S.Wani**. "Mass transfer and kinetic studies of antacids in acetic acid and its modeling simulation", published in "Material Science and Research India". Vol.5(1), 2008, pp 101-106. ISSN No.online:2394-0565. Index Copernicus Value: 60.97.
4. S.S.Sonawane, G.A.Usmani, V.R.Parate, **K.S.Wani** and S.J.Wagh. "Study the kinetics of catalytic esterification reaction between n-Butanol and Acetic acid", published in "Material Science and Research India". Vol.5(1), 2008, pp135-138. ISSN

- No.online:2394-0565. Index Copernicus Value: 60.97.
5. Priti N Chaudhari, **Kishor S Wani**, Bhushan L Chaudhari and Sudhir B Chincholkar “ Characteristics of Sulfobacin A from a soil isolate *Chryseobacterium gleum*”, published in “Applied Biochemistry and Biotechnology” DOI 10 1007/s12010-008-8417-7, Nov.2008.Impact Factor: 1.735. ISSN No. online: 1559-0291.
  6. Sharanappa A., **K.S.Wani**, Pallavi Patil. “Bioprocessing of Food Industrial Waste for Alpha Amylase Production by Solid State Fermentation”, published in “International Journal of Advanced Biotechnology and Research”. Vol 2, Issue 4, 2011, pp 473-480. Impact Factor: 1.506.ISSN No. 0976-2612.
  7. A.R.Lokhande, V.S.Patil, **Wani K.S.**"Preparation of greases from metal soaps of non traditional oil using waste lubricating oil", published in “International Journal of Chemical Engineering Research”. Volume 4,Number 1 (2012), pp. 1-7. ISSN No: 0975-6442.
  8. M. Husain, **K.S.Wani** and S.P.Pawar. "Pollution Control: A Techno-Spiritual Perspective", published in "Pratibha: International Journal of Science, Spirituality, Business and Technology", ISSN (Print) 2277-7261,Vol.1, No. 1, March 2012, pp.82-85.
  9. Lokhande A.R., Patil V.S., **Wani K.S** “ Study of Diethanolamide from Custard Apple Seed Oil (*Annona Squamosa L*)”, published in “ International Journal of Engineering and Technology (IJERT), ISSN No:2278-0181, Vol.2, Issue 9, September-2013 pp 448-452. Impact Factor: 1.76
  10. Harshal Nagpure, Vikram Banakar, Rahul Dhanda and **K.S.Wani** “ Degradation of Paper Mill Wastewater using Batch (Photocatalytic) Reactor”, published in “International Journal of Green Chemistry and Bioprocess”, ISSN No:2277-7199, 3(3), 2013, pp 24-29.
  11. Abhang R. M., **Wani K.S**, Patil V. S., Pangarkar B. L., and Parjane S. B. “Nano-filtration for Recovery of Heavy Metal Ions from Wastewater- A Review”, published in “International Journal of Research in Environmental Science and Technology”, ISSN No.:2249-9695, 3(1), 2013, 29-34. Impact Factor: 1.844
  12. Sakina Husain, Dr.M. Husain and **K.S.Wani**. “Role of Constitutional Ruling System”, published in "Pratibha: International Journal of Science, Spirituality, Business and Technology", ISSN No. (Print) 2277-7261, Vol.1, No. 2, February 2013, pp.82-84.
  13. R. M. Abhang, **K.S.Wani**, V.S.Patil and S.H.Sonawane. “Perspectives and Challenges of Hydrogen Storage by Metal-Organic Frameworks”, published in "Pratibha: International Journal of Science, Spirituality, Business and Technology", Vol.2, No. 1, November 2013,ISSN No.(Print) 2277-7261, pp.18-24.
  14. Anand D. Kulkarni and **Kishor S.Wani.**”Magnetic Field Conditioning: An Energy Efficient Method for Crude Oil Transportation”, published in "Pratibha: International Journal of Science, Spirituality, Business and Technology", Vol.2, No. 1, November 2013,ISSN No. (Print) 2277-7261, pp.36-39.
  15. 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”, published in “International Journal of Emerging Trends in Engineering”, ISSN No. 2249-6149 Vol.1, Issue 4, January, 2014, pp 318-326. Impact Factor:2.87
16. Rajendrakumar Abhang, **Kishor Wani** and Vilas Patil. “Advancement and Prospectives of MOF and ZIF as a Filler in Mixed Matrix Membrane for CO<sub>2</sub>/N<sub>2</sub> Separation- A Review”, published in “Cyber Times International Journal of Technology and Management”, ISSN No. 2278-7518, Vol.7. Issue 2, April-September, 2014 ,pp 26-33.Impact Factor: 4.896
  17. Anand Kulkarni and **Kishor Wani** “Effect of Magnetic Field on Viscosity and Ultraviolet Spectra of Hydrocarbons”, published in “Cyber Times International Journal of Technology and Management”, ISSN No. 2278-7518 Vol.7. Issue 2, April-September, 2014 pp 34-40. Impact Factor: 4.896
  18. **Kishor S.Wani**, Mujahid Husain<sup>2</sup> and Vijay R Diware, “Detergent Removal from Sullage by Photo-catalytic Process”, accepted for the publication in Pratibha: International Journal of Science, Spirituality, Business and Technology (IJSSBT) ISSN (Print) 2277-7261 IJSSBT, VOL. 3, No.1, Dec. 2014, Page No.1 -5,.
  19. R.M.Abhang, **K.S.Wani** and V.S.Patil, “Synthesis and characterization of ZIF-8 filler for preparation of mixed matrix membrane”, published in “International Journal of Scientific and Engineering Research”, ISSN No. 2229-5518, Vol.6. Issue 8, August, 2015, pp 1276-1280.
  20. Kulkarni A.D. and **Wani K.S** “Reducing Crude Oil Viscosity Using Diluents”, Published in International Journal of Engineering Trends and Technology, ISSN No.: 2231-5381, Special Issue, ICGTETM Number-1, January 2016 Page No. 85 to 89. DOI: 10.14445/22315381/IJETT-ICGTETM-N1, Impact Factor: 1.795
  21. Yogendra D. Thakare, Vijay R. Diware, **Kishor S. Wani** “Decolorization of Malachite Green Dye Using UV + H<sub>2</sub>O<sub>2</sub> and Photo Fenton Processes”, Published in International Journal of Engineering Trends and Technology, ISSN No: 2231-5381, Special Issue, ICGTETM Number-1, January 2016, Page No. 90 to 93. DOI: 10.14445/22315381/IJETT-ICGTETM-N1, Impact Factor: 1.795
  22. R. M. Abhang, **K. S. Wani**, V. S. Patil, “Performance Studies of ZIF-8/PES Asymmetric Mixed Matrix Membrane for Permeation of CO<sub>2</sub>/CH<sub>4</sub>” Published in International Journal of Engineering Trends and Technology, ISSN No: 2231-5381, Special Issue, ICGTETM Number-2, January 2016 ,Page No. 183 to 187. DOI: 10.14445/22315381/IJETT-ICGTETM-N2, Impact Factor: 1.795
  23. A.R.Lokhande, **Kishor Sopan Wani**, Mohd. Afsar S. Siddiqui, “Study of Pectin from Peels of Magnifera Indica and Artocarpus Hetrophyllus” published in International Journal of Engineering Trends and Technology, ISSN No: 2231-5381, Special Issue, ICGTETM Number-3, January 2016, Page No. 375 to 381. DOI: 10.14445/22315381/IJETT-ICGTETM-N3, Impact Factor: 1.795
  24. Yogendra D. Thakare, Sunita M. Jadhav, **K.S.Wani**, “Acid Orange 7 Dye Degradation Using Combined Acoustic Cavitation with Fenton and Photo Fenton Processes,” published in International Journal of Engineering Science and

## **B. National Publications:**

### **i. National Journals**

1. 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", published in Journal of Environ. Science and Engg. Vol.55,No.2, April 2013, pp 253-266.ISSN No. 0367-827X.

### **ii. National Seminar**

1. **K.S.Wani** "Microbial Pigments and its Applications". Published in National level Seminar on " Emerging Facets of Chemical Engineering & Biotechnology held on September 28-29,2005 at Laxminarayan Institute of Technology, Nagpur.
2. Sharanappa A, **K.S.Wani** "Molecular Dynamics Simulation: An Aid to Predict Nanobehavior of Biological System". Published in National level Seminar on "Nanotechnology" held on March 08, 2008 at S.S.B.T's, COET, Bambhori. Jalgaon.

## **C. International Conference / Symposiums**

1. **Kishor S Wani**, Priti N Chaudhari, Bhushan L Chaudhari and Sudhir B Chincholkar. "Production of New Sulfolipid and Some Important Enzymes by Alkaliphilic *Chryseobacterium sp.*" Published in International Conference on " New Horizons in Biotechnology and 4<sup>th</sup> BRSI Convention" held on November 26-29,2007, organized by The Biotech Research Society[BRSI] and National Institute for Interdisciplinary Science and Technology[NIIST], Trivandrum.
2. Sharanappa A., **K.S.Wani** and Pallavi Patil. " Bioprocessing of Food Industrial Waste for Value Added Product by Solid State Fermentation". Published in International Conference on "Innovative Science and Engineering and Technology (ICISSET-2011)" held on 8<sup>th</sup> & 9<sup>th</sup> April,2011, organized by V.V.P. Engineering College, Rajkot (Gujarat).
3. A.R.Lokhande, **K.S.Wani** and V.S.Patil. "Study of Lubricating Greases from Mahua Oil Fatty Acids using Waste Lubricating Oil". Published in "International Congress of Chemistry and Environment (ICCE-2011)" held on 27-29, May-2011 at Dickson, Malaysia.
4. R. M.Abhang, **K. S. Wani**, V.S.Patil and S.H.Sonawane. " Perspectives and Challenges of Hydrogen Storage by Metal-Organic Frameworks", published International Conference on "Advances in Energy Technology" organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon held on March 29<sup>th</sup>,2013, page no.101-107, Proceedings.
5. Anand D. Kulkarni and **Kishor S.Wani**."Magnetic Field Conditioning: An Energy Efficient Method for Crude Oil Transportation", published in International Conference on "Advances in Energy Technology" organized by SSBT's College of Engineering and

- Technology, Bambhori, Jalgaon, held on March 29<sup>th</sup>, 2013, page no.89-92, Proceedings.
6. Lokhande A.R., Patil V.S. and **Wani K.S.** “Advance Technology in Renewable Energy”, published in International Conference on “Advances in Energy Technology” organized by SSBT’s College of Engineering and Technology, Bambhori, Jalgaon, held on March 29<sup>th</sup>, 2013, page no.114-117, Proceedings.
  7. Lokhande A.R., **Wani K.S.** and Patil V.S. “Design Criterion for Extended Aeration System”, published in International Conference on “Advances in Energy Technology” organized by SSBT’s College of Engineering and Technology, Bambhori, Jalgaon, held on March 29<sup>th</sup>, 2013, page no.127-131, Proceedings.
  8. Kulkarni A.D., Mhaske V.S., Nandi S. and **Wani K.S.**, ‘Effect of Magnetic Field on the Viscosity of Individual Hydrocarbons’ (Poster presentation) in “CHEMCON 2013”, (66<sup>TH</sup> Annual Session of Indian Institute of Chemical Engineers), Joint Indo-North American Symposium, held at Institute of Chemical Technology Campus, Matunga, Mumbai, organized by Indian Institute of Chemical Engineers, Mumbai Regional Centre, in Association with Institute of Chemical Technology, Mumbai on December 27-30, 2013.
  9. V.P. Sangore, S.A. Thakur, V.R. Diware, **K.S. Wani**, “Sustainable Development And Challenges Ahead of Chemical Engineering Industries” Published in proceedings of International Conference on “Sustainable Development” organized by SSBT’s College of Engineering and Technology, Bambhori, Jalgaon held on February, 25-26<sup>th</sup> 2014, page no.18-21, Proceedings.
  10. A.R. Lokhande, **K.S. Wani**, V.S. Patil, “Chemical Process Engineering for Sustainability” Published in proceedings of International Conference on “Sustainable Development” organized by SSBT’s College of Engineering and Technology, Bambhori, Jalgaon held on February, 25-26<sup>th</sup> 2014, page no.400-404.

#### **D. National Conferences:**

1. V.P.Sangore, S.A.Thakur, V.R.Diware and **K.S.Wani**. “ Impact of Global Economic Recession on Indian Chemical Industries”, Published in U.G.C. Sponsored National Level Conference on “ Global Economic Recession : An Opportunity to India” held on 16th and 17th December, 2009, organized by B.G.E. Society’s Smt. Laxmibai Radhakisan Toshniwal College of Commerce, Akola.
2. Sharanappa A., **K.S.Wani** and Pallavi Patil. “ Biotechnology of Solid State Fermentation”, Published in National Conference on “ Biochemical Engineering: Present Scenario and Future Perspective” held on 12th and 13th March, 2010, organized by Department of Chemical Engineering, G.H.Patel College of Engineering and Technology, Vallabh Vidyanagar, Gujarat.
3. V.P.Sangore, S.A.Thakur, V.R.Diware and **K.S.Wani**. “ Recovery of Bisphenol-A through Depolymerization of Commercial Compact Disc Waste by Alkaline Methanolysis”, Published in National Conference on “ Emerging Trends in Engineering,

Technology and Management”, held on 29th March 2010, organized by SSBT’s C.O.E.T.,Bambhori, Jalgaon.

4. N.Y.Ghare, **K.S.Wani** and V.S.Patil. “Recovery of Hydrochloric Acid from Spent Pickle Liquor of Steel Industry”, Published in National Conference on “ Emerging Trends in Engineering, Technology and Management”, held on 29th March 2010, organized by SSBT’s C.O.E.T.,Bambhori, Jalgaon.
5. A.R.Lokhande, **K.S.Wani** and V.S.Patil. “Study of Metallic Soaps from Non-Traditional Oil and their Applications as Lubricating Greases and Drier in Paints”, Published in National Conference on “ Emerging Trends in Engineering, Technology and Management”, held on 29th March 2010, organized by SSBT’s C.O.E.T.,Bambhori, Jalgaon.
6. A.R.Lokhande, **K.S.Wani** and V.S.Patil. “Study of Lubricating Grease from Mahua Oil Fatty Acids”, Published in National Conference on “Recent Innovations in Oil and Food Technology (RIOFT-2010)”, held on August 23, 2010, organized by Division of Oils, Fats and Waxes Technology and Division of Food Technology, Department of Chemical Technology, North Maharashtra University, Jalgaon-425001.
7. N.Y.Ghare, V.S.Patil and **K.S.Wani**. “Analysis and Recovery of Sulfuric Acid from Spent Liquor of Electroplating Industry”, Published in National Conference on “Environmental Innovations for Resource Sustainability (EIRS-2011)”, held on 21st&22nd January 2011, organized by School of Environmental & Earth Sciences, North Maharashtra University, Jalgaon.
8. L. Mahajan and **K.S.Wani**." Study of Adsorption Capacity of Fly Ash for Removal of Lignin", Published in National Conference on "Recent Advances in Chemical Engineering (RACE-2012)",held on 4th February, 2012, organized by University Department of Chemical Technology, North Maharashtra University, Jalgaon.
9. Kishor B. Deshmukh, V.P.Sangore and **K.S.Wani**. “UASBR Technology for Treating Waste Water”, Published in National Level Conference on “Green and Clean Technology”, held on 11<sup>th</sup> March 2012, organized by SSBT’s College of Engineering and Technology, Bambhori, Jalgaon.

#### **PARTICIPATION IN WORKSHOPS, WINTER / SUMMER SCHOOL ETC:**

1. National Symposium on "Recent Trends in Biotechnology of Yeast and Fungi" held at School of Life Sciences, N.M.U., Jalgaon during 13-14th March 1997.
2. Workshop on syllabus framing for S.E. to B.E. NMU Jalgaon conducted at COET , Bambhori, Jalgaon on 06/09/1998.
3. Seminar on “Quality Engineering Education” organised by SSBT's COET, Jalgaon, N.M.U., Jalgaon and Engineering Education Foundation, Pune on Dec. 26th Dec. 1998.
4. QIP short term course on "Recent Developments in Fermentation and Enzyme Technology", conducted at IIT, Bombay during May 8-12, 2000.
5. Workshop on “Paper Setting & Evaluation” conducted at J. T. Mahajan College of Engineering, Faizpur on Sept.22,2002.

6. "Workshop : Insight into Accreditation" conducted at Goa on April 16–17, 2003.
7. Five day SERC school on "Recent Advances In Design and Analysis of Biotechnological Processes" conducted at IIT Bombay during May 13-17,2003.
8. "Orientation Programme for Engineering College Teachers" jointly Organised by SSBT's COET, Jalgaon and Engineering Education Foundation, Pune at COET Bambhori on July 11-13,2003
9. Workshop on "Matlab & Simulink" conducted by India Soft & Cranes in July 2003 at SSBT's COET , Bambhori, Jalgaon.
10. Workshop on "Intellectual Property Rights with special reference to Patents". Sponsored by TIFAC, DST (Govt. of India) and S&T Cell (Govt. of Maharashtra)held on Jan 9,2004 at N.M.U. Jalgaon.
11. National symposium on " Developments in Biotechnology: Emerging Trends and Challenges". First BRSI Convention, held on November 25-27, 2004 at N.M.U. Jalgaon.
12. National seminar on "Low Cost Automation" held on April 21, 2007 at SSBT's College of Engineering and Technology, Bambhori, Jalgaon.
13. National seminar on "NANOTECHNOLOGY" held on March, 8 , 2008 at SSBT's College of Engineering and Technology, Bambhori, Jalgaon.
14. International workshop on "Digital Governance and Hotspot Geoinformatics" directed by Dr.G.P.Patil, Penn State University, U.S.A. and organised by K.C.E.Society's JalaSRI-Watershed Surveillance and Research Institute, Moolji Jaitha College, Jalgaon, during 5 - 7 June, 2009.
15. Three days teachers' training workshop "SHRAM SADHANA", held on 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> July, 2009, jointly organized by SSBT's College of Engineering and Technology, Bambhori, Jalgaon and Deepstambh Foundation, Jalgaon.
16. In-plant Training Programme on "Disaster Management" held at the SSBT's College of Engineering and Technology, Bambhori, Jalgaon, on 23<sup>rd</sup> January 2010, organized by "National Safety Council, Mumbai chapter.
17. National Level Workshop on "Research Methodology" , held at the SSBT's College of Engineering and Technology, Bambhori, Jalgaon from 17<sup>th</sup> to 19<sup>th</sup> October 2011, jointly organized by Department of Mechanical Engineering and Department of Business Administration.
18. National conference on "Recent Advances in Chemical Engineering", held at University Department of Chemical Technology, North Maharashtra University, Jalgaon on 4<sup>th</sup> Feb.2012 organized by U.D.C.T., N.M.U., Jalgaon.
19. International Conference on "Global Trends in Engineering, Technology and Management", held at SSBT's COET, Bambhori, Jalgaon. On 9<sup>th</sup> to 11<sup>th</sup> January 29, 2015.
20. Training on, "Industrial Automation" held on 12.3.2015 to 13.3.2015, conducted by Technocrat's Academy of Automation and Control Technology (TAACT), Nashik.
21. International Conference on "Global Trends in Engineering, Technology and Management", held at SSBT's COET, Bambhori, Jalgaon. on 4<sup>th</sup> to 6<sup>th</sup> January 2016.



## **HONORS & ACHIEVEMENTS**

1. Dean for Faculty of Engineering, Technology and Architecture for the 24<sup>th</sup> Convocation Ceremony of North Maharashtra University, Jalgaon on 6.6.2016
2. Member of BOS of Chemical Engineering & Technology, NMU, Jalgaon
3. Member of 32/(5) Committee, NMU, Jalgaon.
4. Chairman, Lab Recognition committee , 2016 of NMU, Jalgaon.
5. Invited member for BOE of NMU, Jalgaon.
6. Member of LIC Report Scrutiny Committee 2016.
7. Certificate of recognition for outstanding result in the subject Biochemical Engineering, Oct.2015 examination.
8. Chairman LIC committee (Permanent Affiliation) of NMU, Jalgaon.
9. Organised Jalgaon District Level “Avishkar 2015”, NMU, Jalgaon.
10. Sanyojan Samiti Pramukh for “Yuvarang 2015”,NMU Jalgaon
11. Vice Chancellor’s Research Motivation Scheme (VCRMS)” 2015, Shipharas Samiti Pramukh, NMU, Jalgaon.
12. Letter of Appreciation from MKCL on the eve of Teachers Day, 5.9.2013

## **PROFESSIONAL MEMBERSHIP:**

1. Member of Board of Studies of Chemical Engineering and Technology, North Maharashtra University, Jalgaon.
2. Life Member of ISTE.
3. Life Member of AFST.
4. Life Member of BRSI
5. Life Member of IChE , India

Dr. K.S.Wani