

Curriculum Vitae

1. Name: Dr. Madhukar Subhash Patil
2. Designation & Department: Associate Professor, Chemical Engineering
3. Correspondence address: F-4, Anjali Park, Behind Mohite Hospital, Geeta Nagar, Akola 444002
4. Email and contact number(s): princimspatil@gmail.com, madhukar.patil@coeta.ac.in 9763384984



5. Date of Birth: 14/04/1972

6. Academic Qualification (Undergraduate Onwards)

SN	Degree	Year	Subject	University/Institution	% of marks /CGPA
1	B.Tech	1993	Chem. Engg	SGBAU, Amravati	60%
2	M.Tech	2007	Chem. Engg	SGBAU, Amravati	64%
3	PhD.	2017	Chem. Engg	KBCNMU, Jalgaon	---

7. Ph.D thesis title: Biological treatment of Industrial waste water by using Activated Sludge Process,
Year of Award : 2017

8. Work experience (in chronological order).

SN	Designation	Name of the Institute	From	To
1	Shift Engineer	Dipak Fertilizers Ltd, Raigadh, MH	01/11/1993	31/07/1996
2	Assistant Professor	Anuradha Engineering College, Chikhali	05/08/1996	30/06/2007
3	Associate Professor	Anuradha Engineering College, Chikhali	01/07/2007	31/08/2010
4	Principal	Bhonsla Engineering College, Akola	01/09/2010	31/07/2011
5	Principal	Pratap Institute of Mgmt & Tech, Washim	01/08/2011	17/07/2023
6	Associate Professor	College of Engg. & Tech, Akola	18/07/2023	Till Date
Total Experience			30 Years	

9. Professional Recognition/ Award/ Achievement/ Certificate received. :- NA

10. Publications (List of papers published in Journals, in year wise descending order).

PAPERS PUBLISHED IN AN INTERNATIONAL JOURNALS:

- 1] **“Study of Crystal Size Distribution and Effect of Cooling for Sugar and KNO₃ Crystallization in Swenson Walker Crystallizer”**, International Journal of Chemical Engineering Research (IJChER- ISSN: 0975-6442), Vol. 2 (2), (2010), 189-196.
- 2] **“Esterification of phthalic anhydride with n-Butanol using eco-friendly solid acid catalyst-sulfamic acid”**, Current World Environment, An International Research Journal of Environmental Sciences (ISSN: 0973-4929), Vol. 5 (1), (2010), 107-109.
- 3] **“Study of Activated Sludge Process for Treatment of Waste Water under Laboratory Controlled Conditions”**, International Journal of Chemical Engineering (ISSN: 0974-5793), Vol. 3 (1), (2010), 77-82.
- 4] **“Laboratory Scale Study of Activated Sludge Process in Jet Loop Reactor for Waste Water Treatment”**, International Journal of Engg Research & Applications ISSN: 2248-9622, Vol. 4 (3), March 2014, 68-74.
- 5] **“Performance of Activated Sludge Process in Bubble Column and Compact Jet Loop Reactor: A Comparative Study”**, International Journal of Advanced Research in Engineering and Technology (IJARET- ISSN:0976-6499), Vol. 5 (3), March 2014, 63-73.
- 6] **“Treatment of Industrial Waste Water from Paper Industry by Using Compact Jet Loop Reactor”**, International Journal of Advanced Research in Engineering and Technology (IJARET- ISSN:0976-6499), Vol. 5 (4), April 2014, 01-08.

7] "Application of Compact Jet Loop Reactor in Treatment of Industrial Waste Water from Pharmaceutical Industry", International Journal of Current Engineering and Technology (IJCET-ISSN:2277-4106), Vol. 4 (2), April 2014, 1092-1095.

8] "Extraction of Azadirachtin from Neem Oil by Using Membrane", International Journal of Emerging Technology and Advanced Engineering ISSN 2250-2459 (Online), Vol. 8, Issue 10, October 2018, 56-61.

9] "Esterification under Influence of External Fields: a Review, Journal of Interdisciplinary Cycle Research (JICR) ISSN No: 0022-1945 (Online), Vol. XI, Issue XI, November 2019, 638-652.

PAPERS PRESENTED IN CONFERENCES:

INTERNATIONAL CONFERENCES:

1] "*Crystal Size Distribution Dynamics of Potassium Nitrate in Continuous Type Swenson – Walker Crystallizer*" presented and published on 03 March 2007 in **International Conference INSIGT-07**, at Anuradha Engineering College, Chikhli, Dist-Buldana, (M.S.) India – 443 201.

2] "*Dehydration of Organic Liquids by Pervaporation Technique*" presented and published on 20th - 22nd Dec. 2008 in **International Conference on "Emerging Trends in Engineering"** held at Pravara Rural Engineering College, Loni, Ahmednagar, (M.S.) India – 413 736.

3] "*Laboratory Scale Study of Treatment of Waste Water by Using Activated Sludge Process*" presented and published on 1st & 2nd April 2010 in **ICSES'10, International Conference on Science, Engineering & Spirituality** held at S.E.S. College of Engineering, Navalnagar, Dhule, (M.S.) India.

4] "*Esterification of Phthalic Anhydride with n-Butanol using Eco-friendly Solid acid catalyst-Sulfamic acid*" presented and published on 1st & 2nd April 2010 in **ICSES'10, International Conference on Science, Engineering & Spirituality** held at S.E.S. College of Engineering, Navalnagar, Dhule, (M.S.) India.

5] "*Extraction of Azadirachtin from Neem Oil by Using Membrane*", presented paper on 15th October 2018 in **1st International Conference on "Innovations & Engineering"** held at KBS's, College of Engineering & Technology, North Maharashtra Knowledge City, Jalgaon, (M.S.) India.

NATIONAL CONFERENCES:

1] "*Continuous Potassium Chloride Crystallization With a Laboratory Scale Swenson Walker Crystallizer*" presented and published on 26th - 27th March 2007 in **National Conference on Advances in Chemical Engineering & Technology (ACET 07)**, organized by Department of Chemical Technology, Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur, Punjab (India).

2] "*Biological Treatment of Waste Water Using Activated Sludge Process*" presented and published on 15th - 16th January 2010 in **National Level Conference** held at Institute of Chemical Technology (Deemed University), Matunga, Mumbai.

3] "*Evaluation of Sulfamic Acid as a Catalyst for Esterification of Acetic acid with Benzyl alcohol*" presented on 4th - 6th March 2010 in "**Chemcon-10**", A National Level Conference for staff and students, held at Department of Chemical Engineering, Anuradha Engineering College, Chikhli.

11. Detail of patents/Copy right .:- **NA**

12. Books/Reports/Chapters/General articles etc. .:- **NA**

13: Field of Expertise / Specialization.: Chemical Engineering