

Mr. MANJUNATH S P

Affiliation (Assistant Professor, Dept of Chemical Engineering, SIT)

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Faculty ID: SIT-213

Education

	Degree	Year	Institute	Specialization
1	B.E	2005	SIT, Tumakuru	Chemical Engineering
2	M.Tech	2008	NITK, Surathkal	Industrial Pollution Control
3	Ph.D (Pursuing)	2026*	IITM, Chennai	Environmental Engineering

Professional Experience

	Date (from-to)	Designation	Organization
1	1.1.2011 – till date	Assistant Professor	SIT
2	03.08.2009 to 31.12.2010	Lecturer	SIT

(Please fill in reverse order. Current designation should be at the top)

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

Timetable Coordinator (Departmental)

EVS Coordinator (Institute)

Affiliations of Professional organizations

- Student Member of 'Air Quality Management Association' (AQMA) from 2023
- Life Member of 'Indian Institute of Chemical Engineers' (IICChE) – LM-73315 from 2022.
- Life Member of 'Indian Ceramic Society' (ICerS) – SL-367 from 2013.

Awards and Honors

- NIL
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Courses Taught

Undergraduate Courses

1. Chemical Process Integration	6. Engineering Materials
2. Novel Separation Techniques	7. Chemical Engineering Thermodynamics
3. Pollution Control Engineering	8. Industrial Safety Engineering
4. Mass Transfer - I	9. Chemical Equipment Design and Drawing
5. Mass Transfer - II	10. Optimization of Chemical Processes

Postgraduate Courses

- Chemical Process Integration
- Optimization of Chemical Processes

Research Guidance : NA

Sl. no	Name of the Scholar	Title	Year of completion

Research Areas

- Chemical Process Integration and Optimization
- Design and development of Ceramic Membrane
- Industrial Pollution Control
- Air Quality Management and Control
- Application of Artificial Intelligence and Machine Learning in Air Quality Management and Control

Sponsored Projects NA

Ongoing Projects:

Completed Projects:

Publications

Journals

- Binnal P.;Rajashekhara S.;**Manjunath S.P.**;Ahmed A.;Tawaf M.;Bhat A., ZSM-5 catalyzed copyrolysis of sugarcane bagasse with LDPE: Influence of microwave-assisted acid pretreatment of sugarcane bagasse on yield and composition of gasoline range oil, Article Biomass Conversion and Biorefinery, Volume 13, Year 2023, Pages 13-29, [DOI:10.1007/s13399-020-01149-3](https://doi.org/10.1007/s13399-020-01149-3)
- Binnal P.;**Manjunath S.P.**;Vani G.D.;Sharma P., Improving the Quality of Rice Husk Biochar Through Combined Pretreatment of Rice Husk and Copyrolysis with LDPE, Journal of the Institution of Engineers India Series E, Volume 104, Year 2023, Pages 119-128, [DOI:10.1007/s40034-022-00261-5](https://doi.org/10.1007/s40034-022-00261-5)
- **Manjunath S.P.**;Pooja J.R.;Madhusoodana C.D.;Thirupathi G.;Binnal P., Synthesis and Characterization of V2O5 Supported on TiO2 Selective Catalytic Reduction (SCR) Catalyst for De-NOX Application, Journal of the Institution of Engineers India Series E, Volume 104, Year 2023, Pages 275-284, [DOI:10.1007/s40034-023-00271-x](https://doi.org/10.1007/s40034-023-00271-x)
- Binnal P.;Kumar D.J.;**Sasalu Parameshwaraiah M.**;Patil J., Upgrading rice husk biochar characteristics through microwave-assisted phosphoric acid pretreatment followed by co-pyrolysis with LDPE, Biofuels Bioproducts and Biorefining, Volume 16, Year 2022, Pages 1254-1273, [DOI:10.1002/bbb.2392](https://doi.org/10.1002/bbb.2392)
- **Manjunath S.P.**;Binnal P.;Rajashekhara S.;Patil J., In-situ synthesis of ZSM-5 to form SCR catalyst membrane and Modeling using COMSOL Multiphysics, Journal of Applied Science and Engineering, Volume 23, Year 2020, Pages 723-730, [DOI:10.6180/jase.2020_23\(4\).0017](https://doi.org/10.6180/jase.2020_23(4).0017)
- Prakash Binnal, Ashitosh Kulkarni, **Manjunath SP**, Development and evaluation of Magnesium Potassium Phosphate Cement based refractory, Iranian Journal of Chemical Engineering (IJChE), Volume 17, Year 2020, Pages 4, [DOI:10.22034/ijche.2020.130000](https://doi.org/10.22034/ijche.2020.130000)

- Madhusoodana C.D.;**Manjunath S.P.**;Das R.N., Preparation of TiO₂ membranes on silicon carbide supports for water filtration applications, Procedia Engineering, Volume 44, Year 2012, Pages 939-941, [DOI:10.1016/j.proeng.2012.08.628](https://doi.org/10.1016/j.proeng.2012.08.628)

Conference Proceedings : NIL

Book Chapters : NIL

Books : NIL

Editorial : NIL

Reviewer of Journals

- Journal of institution of Engineers
- Fuel

(Please give details in IEEE format)

Editor/ Reviewer of Journal : NIL

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Patents : NIL

Invited Lectures, talks and workshops : NIL

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20-03-2026

Chennai

