



BIO DATA



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- 5. Qualifications : B. Tech, M. Tech, Ph. D**
- 6. Experience : 26 years of Teaching and Research**
- 7. Areas Specializations : Mass, Momentum and Heat transfer,
General Chemical Technology,
Corrosion Engineering**
- 8. Examiner / Paper setter : Andhra University,
Osmania University,
Nagarjuna University and
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- 10. M. Tech thesis guided : 10**
- 11. Research papers published/presented: 36**
- 12. Memberships in professional bodies : 02**
- 13. Memberships in Advisory boards : 01**
- 14. Conferences conducted : 02**
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M.Tech thesis guided

1. Surya kumari, N “*Studies on ionic mass transfer with co-axially placed perforated tube as turbulence promoter*”, 1998
2. Rama jaya Lakshmi, P “*Equilibrium studies on adsorption of zinc aqueous solution on 5 Å⁰ molecular sieves*”, 2000.
3. Vaka Murali Mohan “*Studies on controlled release fertilizer – Potassium Chloride*” 2004
4. Srinivasa Rao. B “*Studies on controlled release fertilizer potassium chloride made from fly ash lime inert matrix*” 2005
5. Sailaja. K “*Batch drying characteristics of green peas, horse gram, red gram, red chillies*” 2005
6. Swarna Manjari Patnaik “*Inhibition effect of orthophosphate on corrosion of copper & brass in ammonium chloride solution using linear polarization technique*”, 2006.
7. Sumalatha Mallipudi “*Evolution inhibition effect of morpholenim the corrosion of stainless steel 316 in Hcl using linear polarization technique*”, 2006.
8. Udaya Sree, Ch “*Determination of equilibrium, kinetic and thermodynamic parameters of the batch adsorption of cadmium by Calotropis Giganea leaf powder*”, 2007
9. Rajesh Kumar. K “*Formulation of Zinc based controlled release fertilizer with and without benzoic acid coating*”, 2008
10. Rajasekhar. R “*Studies on Zinc Sulphate Controlled Release Fertilizer made from lime matrix with and without Naphthalene coating*”, 2008

List of Research papers published in national and international journals

1. “*Studies on ionic mass transfer with co-axially placed helical tapes on a rod in forced convection flow*”
V.Sujatha, C.Bhaskara sarma & G.J.V.Jagannadha Raju
Chemical engineering and processing Journal, Vol 36., 1997, pp 67-73.
- 2 “*Performance of helical tape promoter in fluidized beds*”,
G.Ramakoteswara rao, V.Sujatha & P.Venkateswalu,
Indian chemical engineer, Vol 39/2., 1997, pp 131-136.
3. “*Studies on ionic mass transfer in rectangular cells– influence of rectangular transverse baffles on the wall of the cell*”
Madhulatha. B., Rajendra Prasad. P., S. Sarveswara Rao and Sujatha, V.
Int. communications for heat and mass transfer, Vol. 29, 2002, pp. 1139- 1150
4. “*Studies on ionic mass transf with insert helical tape promoters in batch fluidized beds*”



Sujatha.V., Rajendra Prasad. P., Bhaskara Sarma, C and Jagannadha Raju, G.J.V.J
Indian Journal of Chemical Technology, Vol.10, Nov.2003, pp.694 – 700

5. “Studies on ionic mass transfer in the presence of spiral coil turbulence promoters in Batch fluidized beds”

Sujatha.V., Rajendra Prasad. P., Bhaskara Sarma, C and Jagannadha Raju, G, J, V, J
Chemical Engineering and processing Journal, Vol 43, 2004, pp 1055-1062

6. “Studies on controlled release fertilizer of potassium chloride fertilizer coated with and without plaster of Paris coating

Prashanti Lakshmi, k., Rajendra Prasad. P., and Sujatha, V.
Indian Chemical Engineer Journal, section A, Vol.45, No.4, Oct – Dec .2003

7. “Studies on slow release fertilizer – Potassium Chloride”

Murali Mohan. V., Rajendra Prasad, P and Sujatha V
Indian Chemical Engineer Journal, Vol. 47 / No.3, July-Sep. 2005, pp 161-166.

8. “Development of controlled release Fertilizer by using Fly ash”

Murali Mohan. V., Srinivarao B., Rajendra Prasad, P and Sujatha, V
Indian Chemical Engineer Journal, Kolkata, INDIA, In Press

9. *Studies on batch drying kinetics of green peas and horse gram*

Vaka Murali Mohan., Rajendra Prasad, P., Sarveswara Rao, S and Sujatha, V
Int. J. of Nanosystem, Vol. 1, Issue 1, Jan – June 2008, pp 23-27.

10. *Studies on controlled release fertilizer of potassium chloride made with manure matrix*

Vaka Murali Mohan., Sujatha, V., Sarveswara Rao, S and Rajendra Prasad, P
Int. J. of Nanosystem, Vol. 1, Issue 1, Jan – June 2008, pp 67-71.

11. *Model development for mass transfer function with coaxially displaced disc as turbulence promoter in tube*

Vaka Murali Mohan., Sarveswara Rao, S and Rajendra Prasad, P
Int. J. of Nanosystem, Vol. 1, Issue 1, Jan – June 2008, pp 73-79.

12. *Studies on drying kinetics of prawn head in a batch dryer*

Vindhya, Ch., Vaka Murali Mohan., Sarveswara Rao, S and Rajendra Prasad, P
Int. J. of Nanosystem, Vol. 1, Issue 1, Jan – June 2008, pp 107-110.

13. “Equilibrium studies on adsorption of Cadmium by using coconut husk powder as an adsorbent”

Vaka Murali Mohan., Rajendra Prasad, P., Sujatha, V and Sarveswara Rao, S
Int. J Material Research, Electronics & Electrical system, 1 (1), Jan –June 2008, pp57-62

14. *Studies on mass transfer with coaxially placed entry region coil – disc assembly as turbulence promoter in circular conduits*



Vaka Murali Mohan., Rajendra Prasad, P., Sujatha, V and Sarveswara Rao, S
Experimental Thermal and Fluid Science J, Vol. 32/ 8, Sept 2008, pp1748-1753

15. Vaka Murali Mohan., Srinivasa Kumar, C., Rajendra Prasad, P and Sujatha, V
“Mass Transfer in circular conduit with coaxially placed disc as turbulence promoter”
Chemical Engineering and Processing Journal **In Press**

16. Vaka Murali Mohan., Srinivasa Kumar, C., Jhony, A., Rajendra Prasad, P., Sujatha, V
Hydrodynamics and Energy Consumption in a Three- Phase Liquid Circulating Three Phase Fluid
bed Contactor
Experimental Thermal and Fluid Science J, **In Press**

List of Research papers presented at national and international conferences

1. Studies on ionic mass transfer on the outer wall of the circular conduits with wall jets from the central tube
Surya kumari , Rajendra Prasad. P., and V. Sujatha, V
Presented at 51st Annual Conference of IChE CHEMCON 98 held at Dept. of Chemical Engg. Andhra University, Visakhapatnam
2. “Studies on ionic mass transfer on the outer wall of the circular conduit with multiple wall jets impinging from the central tube”.
N.Suryakumari , P.Rajendra Prasad & V.Sujatha,
Paper presented at Indian chemical engineering congress-1998, 51st annual session of Indian institute of chemical engineers, Dec 16-19,1998.
3. “Studies on controlled release fertilizer potassium chloride coated with plaster of paris”
K.Prasanti lakshmi, V.Sujatha & P.Rajendra Prasad ,
Presented at Indian chemical engineering congress-2002, 55th annual session of Indian institute of chemical engineers Hyderabad , Dec 19-22,2002.
4. “Batch drying characteristics of black gram, soyabeans, and wheat grains”
Vigneswara Rao., Rajendra Prasad, P., and Sarveswara Rao, S.,Sujatha. V
Presented at 55th Annual Conference of IChE., CHEMCON 2002, 19-23, December
5. “Studies on ionic mass transfer in circular tubes with tangential entry of fluid through curved nozzles”
Avinash .G,raju.Ch.A.I.,Rajendra Prasad.P.,Sujatha .V, and Sarveswara Rao .S
AIChE, Annual meeting, Orlando, Florida,U.S.A, 24-27th April,2006
6. “Studies on ionic mass transfer with coaxially placed string of spheres as turbulence promoter in homogeneous flow”
Avinash .B,raju.Ch.A.I.,Rajendra Prasad.P.,Sujatha .V, and Sarveswara Rao .S
AIChE, Annual meeting, Orlando, Florida,U.S.A, 24-27th April,2006



7. "Studies on ionic mass transfer with coaxially placed string of spheres as turbulence promoter in fluidized beds"
Rajesh Kumar, Raju, Ch. A. I., Rajendra Prasad, P., Sujatha, V., and Sarveswara Rao, S
AIChE, Annual meeting, Orlando, Florida, U.S.A., 24-27th April, 2006
8. "Kinetics of Controlled Release Fertilizer - Potassium Chloride"
Vaka Murali Mohan., Srinivasa murthy, B., Sujatha, V and Rajendra Prasad, P
Recent Advances in Chemical Engineering, SVUCE, Tirupathi, 2006, Sec.2, pp 79-87
9. "Studies on Controlled Release Fertilizer Potassium Chloride made from fly ash and lime inert matrix"
Vaka Murali Mohan., Srinivasa Rao, B., and Sujatha, V and Rajendra Prasad, P
Recent Advances in Chemical Engineering, SVUCE, Tirupathi, 2006, Sec.3 pp107-116
10. "Studies on ionic mass transfer with co-axially placed tape disc assembly as turbulence promoter"
V. Nageswara Rao, Rajendra Prasad, P., Sujatha, V and Vaka Murali Mohan
AIChE 2007, Spring national meeting, Texas, USA, Sec 56e, April - 2007, pp 56-59.
11. "Studies On Batch Drying Kinetics Of Green Peas, Horse Gram, Red Gram, Red Chillies"
Vaka Murali Mohan., Sujatha V and Rajendra Prasad, P
AIChE Annual meeting, Salt Lake City, Utah, Nov. 4 -9, 2007, pp 1056-1059
12. "Fly ash utilization and development of low density red clay bricks"
Vaka Murali Mohan., Rajendra Prasad, P., Sujatha V and Sarveswara Rao, S
AIChE Annual meeting, Salt Lake City, Utah, U S A, Sec. 283e, Nov. 4 -9, 2007
13. "Studies on ionic mass transfer with orifice- disc turbulence promoter"
Sarveswara Rao, S., Sujatha V., Rajendra Prasad, P and Raju, Ch, A, I
AIChE Annual meeting, Salt Lake City, Utah, U S A, Sec. 387g, Nov. 4 -9, 2007
14. "Studies on mass transfer using co axial orifice turbulence promoter"
Sarveswara Rao, S., Sujatha V., Rajendra Prasad, P and Raju, Ch, A, I
AIChE Annual meeting, Salt Lake City, Utah, U S A, Sec. 388c, Nov. 4 -9, 2007
15. "Studies on the utilization of fly ash in manufacturing of low density ceramic tiles"
Sarveswara Rao, S., Sujatha V., Rajendra Prasad, P and Raju, Ch, A, I
AIChE Annual meeting, Salt Lake City, Utah, U S A, Sec. 510az, Nov. 4 -9, 2007.
16. "Segregation of solids in a batch fluidized bed"
Vaka Murali Mohan., Nageswara Rao, V., Rajendra Prasad, P and Sujatha V
AIChE Annual meeting, Salt Lake City, Utah, U S A, Sec.230a, Nov. 4 -9, 2007
17. "Momentum transfer with coaxially placed entry region coil as swirl promoter in circular conduits"



Vaka Murali Mohan., Sujatha, V., Sarveswararao S and Rajendra Prasad. P
NCCBPE, SVUCE Titupathi, Sec.1/105, 13-14, Dec,2007, pp 30-38

18. “Drying kinetics of prawn head in a batch dryer”

Vaka Murali Mohan., Ch. Vindhya., Sujatha, V and Rajendra Prasad. P
NCCBPE, SVUCE Titupathi, Sec.1/107, 13-14, Dec,2007, pp 45-50

19. Diffusive Model With Shrinkage In The Drying Of Fish

Rajendraprasad P, Sujatha, V., Vindhya R, Ch., Balabharathi P and Murali Mohan, V
CHEMICON – 2007, 31st December 2007

20. “Mass transfer with coaxially placed entry region coil –disc assembly as turbulence promoter in vertical tube flow reactor”

Vaka Murali Mohan., Sujatha, V., Sarveswararao S and Rajendra Prasad. P
AIChE 2008, Spring national meeting, New Orleans, USA, Sec.224e, April 6-10, 2008

Memberships in professional bodies

1. Life member Indian Institute of Chemical Engineers
2. Member in Intuition of Engineers

Memberships in Advisory Bodies

1. Member Board of Studies, Department of Chemical Engineering, Andhra University

Conferences Conducted

1. Worked as an organizing committee member in Ripples2007. , held at A U College of Engineering, Visakhapatnam during 3-5, January, 2007.
2. Worked as an organizing committee member in national symposium on Desalination, integrated water management and reuse “InDACON – 2008”, held at Chemical Engineering Department in A U College of Engineering, Visakhapatnam during 28-29 Feb, , 2008.