

## NATIONAL JOURNALS/CONFERENCES

1. **Mrs. S. K. Pandey**, "Heat Transfer Studies of Agitated Liquids", Chemical Engineering World, Vol. XIII, No.9, pp. 47-50, 1978. Paper was also reproduced in Technical Journal Published by Warren Spring Laboratory, Hertfordshire, U.K.
2. K. S. Pandey, **Mrs. S. K. Pandey** and Dr. Ing. P.L. Sachdev, "Reduction of Nickel Oxide by Hydrogen", Indian Journal of Engineers, Vol. XVIII, pp.17-20, 1978.
3. **Mrs. S. K. Pandey**, "Programme for Air Quality Control", Chemicals and Petrochemicals Journal, Vol. IX, No.8, pp.29-32, August, 1978.
4. **Mrs. S. K. Pandey**, "Efficient Use of Agricultural Wastes and By- products", Chemicals and Petro-chemicals Journal, Vol. IX, No.4, pp.11-13, April 1978.
5. K .S. Pandey, **Mrs. S. K. Pandey** and P. Premkumar, "Effect of Cooling Rates on Dendritic Arm Spacing and Hardness of Zn-12%, Al-0.3% Cu Alloy", Indian Foundry Journal, Vol. 25, No.12, pp. 29-32, December, 1979.
6. **Mrs. S. K. Pandey** and K. S. Pandey, "Prospects of Rural Development" Chemicals and Petrochemicals Journal, Vol. XI, No.7, pp.29-32, 1980.
7. P. Premkumar, K. S. Pandey and **Mrs. S. K. Pandey**, "Effect of Copper Addition on Mechanical Properties of Zn-12%, Al Alloy", Indian Journal of Engineers, 1980.
8. R. Nagalakshmi, K. B. Lal, R. B. Amalraj and **Mrs. S. K. Pandey**, "Microbes in Toxic Surfactant Effluent Treatment", paper published in Indian Journal of Environmental Protection, Vol.9, No.10, October 1989.
9. **Mrs. S. K. Pandey**, "Reduction of Cylindrical Pellets of Nickel Oxides by Hydrogen", paper was presented at Indian Institute of Chemical Engineers Conference at Cochin, 1978.
10. **Mrs. S. K. Pandey** and P. R. Sharma, "Nucleate Pool Boiling of Binary Liquid Mixtures at Sub-atmospheric Pressures", paper presented and published in the proceedings of the 6th National Heat and Mass Transfer Conference, IIT Madras- 36, 1981- 82.
11. N.Kesavilambi, **Mrs. S. K. Pandey**, P. Subramanian and V. R. Arunachalam, "Entrainment Losses in Enhanced settling by Application of Buoyant Particles", paper was presented and published in the proceedings of the 6th National Conference on Fluid Mechanics and Fluid Power, Regional Engineering College, Tiruchirappalli, Dec.1984.
12. **Mrs. S. K. Pandey**, "Heat Transfer Studies in Agitated Liquid Mixtures", paper was presented at 37th Annual Session, Indian Institute of Chemical Engineers at New Delhi, Dec.17-20 , 1985.

13. **Mrs. S. K. Pandey**, P. R. Sharma and B. S. Varshney, "Heat Transfer Studies of Boiling Binary Mixtures at Subatmospheric Pressures", paper was presented at 37th Annual Session, Indian Institute of Chemical Engineers at New Delhi, Dec.17-20, 1985.
14. **Mrs. S. K. Pandey**, "Technological Substitutes for Eliminating Hazardous Chemicals", paper was presented and published in the proceedings of the Joint Seminar on Hazards in Chemical Industry, Technology, Prevention and Remedies, organised by the Indian Institute of Chemical Engineers, BRC-ARC at Chemical Engineering Department, Kalabhavan, Baroda, Mar.2, 1985.
15. **Mrs. S. K. Pandey**, "Easy to Determine Boiling Point of Binary Liquid Mixtures", paper was presented and published in the proceedings of the Eighth National Heat and Mass Transfer Conf. at College of Engg., Andhra University, Visakhapatnam, Dec.29-31, 1985.
16. **Mrs. S. K. Pandey** and B. S. Varshney, "Agitation and Heat Transfer in Two Phase Liquid Mixtures", paper was presented and published in the proceedings of the Eighth National Heat and Mass Transfer conference at College of Engineering, Andhra University Visakhapatnam, Dec. 29-31, 1985.
17. **Mrs. S. K. Pandey**, "Energy conservation Profile for Indian Industry", paper was presented and published in the proceedings of the "National Seminar on Status and Growth Strategies of Chemical and Allied Industries", organised by Institution of Engineers India, Lucknow, (U.P.), December, 1986.
18. **Mrs. S. K. Pandey**, "Reduced Transport Dependence on Oil", paper was presented and published in the proceedings of the Winter School on Efficient Energy Management of Regional Engineering College, Tiruchirappalli, December, 1986.
19. **Mrs. S. K. Pandey**, "Modified Design of Heat Exchangers", paper was presented and published in the proceedings of the Winter School on Efficient Energy Management at Regional Engineering College, Tiruchirappalli, December 1986.
20. **Mrs. S. K. Pandey**, "Energy Requirements for Iron and Graphite Admixed Powders under Room Temperature Compaction", paper was presented at National Powder Metallurgy Conference, Srinagar, (J & K), India, May 12-14, 1989.
21. **Mrs. S. K. Pandey**, "Combustion of Water-in-Oil Emulsions", paper was presented and published in the proceedings of the Winter School on Non-conventional Energy Resources, Technology and Management, at Regional Engineering College, Tiruchirappalli, Nov.27 to Dec. 10 1989.
22. R. Nagalakshmi, V. Balasubramanian and **Mrs. S. K. Pandey**, "Waste Water Treatment Techniques followed at MHD Power Plant", paper was presented and published in Indian Chemical Engineers conference, India at Hyderabad, Jan.5-6, 1990.

23. R. Nagalakshmi and **Mrs. S. K. Pandey**, "Environmental Monitoring in MHD Power Plant", paper presented in All India Seminar on Environmental Management in Chemical, Metallurgical and Ceramic Industries, organised by the Institution of Engineers, India at R.E.C., Rourkela, Feb. 3-4 1990.
24. R. Nagalakshmi, V. Balasubramanian and **Mrs. S. K. Pandey**, "Effluent Treatment at MHD Power Plant", paper was presented and published in Ninth Annual Conference, Indian Council of Chemists, Gulbarga University, Gulbarga, Dec. 21-23, 1990.
25. **Mrs. S. K. Pandey**, "Heat Transfer Studies in Suspensions", paper was presented and published in Ninth Annual conference, Indian Council of Chemists, Gulbarga University, Gulbarga, Dec. 21-23, 1990.
26. K. Raji, **Mrs. S. K. Pandey** and K. S. Pandey, "Effect of Surface and Residual Porosities on the Properties of P/M Products", paper presented in 17<sup>th</sup> National Powder Metallurgy Conference, Organised by PMAI, India at Thiruvananthapuram, Feb. 28 to Mar. 2, 1991.
27. A. Ramasubramanian and **Mrs. S. K. Pandey**, "Effect of Particle Concentration on Heat Transfer Characteristics in Agitated Vessel", paper presented in Indian Chemical Engineering Congress and 44th Annual Session of Indian Institute of Chemical Engineers held at A.C. College of Technology, Anna University, Madras-25, Dec. 18-21, 1991.
28. J. Sarangan and **Mrs. S. K. Pandey**, "Combustion of Water-Oil Emulsions in Diesel Engines", paper presented in Indian Chemical Engineering Congress and 44th Annual Session of Indian Institute of Chemical Engineers, held at A.C. college of Technology, Anna University, Madras-25, Dec. 18-21, 1991.
29. **Mrs. S. K. Pandey**, "Relevance of Engineering Education to Indian Industry", paper presented and published in the proceedings of National Conference on Reforms in Engineering Education, held at Regional Engineering College, Warangal, Feb. 28-29, 1992.
30. Davies, M. J. and **Mrs. S. K. Pandey**, "Agitation and Heat Transfer Studies in Solid-Liquid Suspensions", paper presented in National Seminar on Application of Chemical Engineering in the Utilisation of Natural Resources, organised jointly by Indian Institute of Chemical Engineers and Regional Research Laboratory, Bhuvaneshwar, India, Feb. 24 & 25, 1993.
31. **Mrs. S. K. Pandey**, "Compaction of Bimetallic Blended Powders", paper presented in 19th National P/M conference organised by powder Metallurgy Association of India at Regional Engineering College, Tiruchirappalli-620 015, India, February 1993.

32. J. Sarangan and **Mrs. S. K. Pandey**, "Control of Exhaust Gas Emissions in I.C. Engines", paper presented and published in National Seminar on Clean Environment Strategies, planning and Management organised by Legend India Environment Protection Ltd., Institute of Engineering and Technology, Sitapur Road, Lucknow, India, Feb. 26-27, 1994.
33. R. Nagalakshmi, V. Balasubramanian and **Mrs. S. K. Pandey**, "Ambient Concentrations of Pollutants and their control in Magnetohydrodynamic Power Plant", paper presented and published in National Seminar on Clean Environment - Strategies, Planning and Management organised by Legend India Environment Protection Ltd., at Institute of Engineering and Technology, Sitapur Road, Lucknow, India, Feb. 26-27, 1994.
34. R. Nagalakshmi, V. Balasubramanian and **Mrs. S. K. Pandey**, "Development of Seed Separation Techniques in Magnetohydrodynamic Power Plant", paper presented and published in Symposium on Advances in Chemical Engineering", ACE-94, organised by B.A.R.C., Bombay, June 9-12, 1994.
35. **Mrs. S. K. Pandey**, "Solar Cooker - How to make and Use", paper presented in All India Conference on "Alternative Energy Sources" held during May 5 -7,1995 at Manipal Institute of Technology, Manipal.
36. J. Sarangan and **Mrs. S. K. Pandey**, "Energy Conservation by Application of Emulsified Fuels in I.C.Engines", paper presented in All India Conference on "Alternative Energy Sources" held during May 5 - 7, 1995 at Manipal Institute of Technology, Manipal.
37. R. Nagalakshmi, V. Balasubramanian and **Mrs. S. K. Pandey**, "Emission Control and Seed Recovery in Magnetohydrodynamic Power Plant", paper presented and published in the proceedings of the Eleventh National Convention of Chemical Engineers organised by the Institution of Engineers (India), Roorkee Local Centre and Department of Chemical Engineering, University of Roorkee India, Sept. 28-29, 1995.
38. J. Sarangan and **Mrs. S. K. Pandey**, "Combustion and Emulsion Characteristics of Water-Oil Emulsions in I.C. Engines", paper presented and published in the proceedings of the Eleventh National Convention of Chemical Engineers organised by the Institution of Engineers (India), Roorkee Local Centre and Department of Chemical Engineering, University of Roorkee, India, Sept.28 - 29, 1995.
39. **Mrs. S. K. Pandey**, "Heat Transfer Studies in Solid-Liquid Suspensions", paper presented and published in proceedings of the Eleventh National Convention of Chemical Engineers organised by the Institution of Engineers (India), Roorkee Local Centre and Department of Chemical Engineering, University of Roorkee, India, Sept. 28 - 29, 1995.

40. R. Nagalakshmi and **Mrs. S. K. Pandey**, "Seed Chemistry and Pollution Control in Magneto Hydro Dynamic Power Plant", paper presented and published in the proceedings of the National Seminar on Emerging Trends in Electrochemical Textile and Polymer Industries, organised by Department of Industrial Chemistry, Alagappa University, Karaikudi, India, April. 22 - 23, 1996.
41. **Mrs. S. K. Pandey**, "Applications of W/O Emulsions to reduce Pollutants from Diesel Engine", paper presented in National Seminar on Environmental Issues in Technical Education, Mookambigai College of Engg. , Keeranur, Feb.14 - 15, 1997. A brief report of the paper was published by "The Hindu".
42. Mrs. R. Nagalakshmi, **Mrs. S. K. Pandey** and S. Samidass, "Utilisation of Treated Effluent in BHEL, Tiruchirappalli", paper presented in WATER WORLD'98 - National Seminar on Applications of Treated Effluent for Irrigation, Regional Engineering College, Tiruchirappalli, March 23, 1998.
43. N. Durairaj and **Mrs. S. K. Pandey**, "Heat Transfer in Agitated Solid-Liquid Suspensions with Helical Cooling Coils", paper presented in Chemical Engineering Education and Research: Strategy for the future, organised by the Dept. of Chemical Engg. & Technology, Banaras Hindu University, Varanasi- 221 005, India, Aug.6-8, 1998.
44. Mrs. A. Kaur and **Mrs. S. K. Pandey**, "Heat Transfer and Pressure Drop Studies for Newtonian Fluids in Plate Heat Exchanger", paper presented in Chemical Engineering Education and Research: Strategy for the future, organised by the Dept. of Chemical Engg. & Technology, Banaras Hindu University, Varanasi - 221 005, India, Aug. 6-8, 1998.
45. A. Syed Hussain and **Mrs. S. K. Pandey**, "Studies on Heat Transfer in Agitated Vessel - Two Phase Liquids", paper presented in CHEMCON - 98, 51st Session of Indian Institute of Chemical Engineers, organised by the Dept. of Chemical Engg., Andhra University, Visakhapatnam , Dec. 16-19,1998.
46. N. Durairaj, S. S. Kumar and **Mrs. S. K. Pandey**, "Studies on Biomass Gasification" paper presented in CHEMCON - 98, 51st Session of Indian Institute of Chemical Engineers, organised by the Dept. of Chemical Engg., Andhra University, Visakhapatnam , Dec. 16- 19,1998.
47. G. Thirugnanam and **Mrs. S. K. Pandey**, "Nucleate Pool Boiling of Liquids and Solutions at Atmospheric Pressure", paper presented in CHEMCON - 98, 51st Session of Indian Institute of Chemical Engineers, organised by the Dept. of Chemical Engg., Andhra University, Visakhapatnam , Dec. 16-19,1998
48. S. Pandey, Arul Mozhi Selvan, V. & **Dr. (Mrs.) S. K. Pandey**, "Transient Heat Transfer and Nucleate Pool Boiling Studies of Liquids and their Mixtures at subatmospheric Pressures", paper presented and published in Indian Chemical

Engineering Congress – 2000 and 53<sup>rd</sup> Annual Session of Indian Institute of Chemical Engineers to be held at Calcutta during Dec. 18 – 21, 2000.

49. N. Durairaj and **Dr. (Mrs.) S. K. Pandey**, “ Computational Fluid Dynamics and Heat Transfer Studies in Agitated Suspensions”, paper presented and published in Indian Chemical Engineering Congress – 2000 and 53<sup>rd</sup> Annual Session of Indian Institute of Chemical Engineers to be held at Calcutta during Dec. 18 – 21, 2000.
50. K. S. Pandey, **Mrs. S. K. Pandey** and M. L. Mehta, “Effect of Oxidising Environment on High Temperature Oxidation of Zinc”, paper published in ‘Engineering Today’, Vol. II, Issue 1, pp.39-50, Jan.2001.
51. **Mrs. S. K. Pandey** and K. S. Pandey, “Some Aspects of Copper Additions and Cooling Rates on the Mechanical Properties of ILZRO – 12 Alloy”, paper published in ‘Engineering Today’, Vol. II, Issue 2, pp.44-55, Feb. 2001.
52. R. A. Kathik and **Mrs. S. K. Pandey**, “Design Algorithms and Software for Mutiple Effect Evaporator”, paper published in “*Engineering Today*”, Vol. III, Issue 10, pp. 14-25, Oct.2001.
53. K. S. Pandey, Mrs. R. Nagalakshmi and **Mrs. S. K. Pandey**, “Some Aspects of Hot Deformation Behaviour of Sintered Aluminium – 3.8% Alumina Composite Preforms at 450°C”, paper presented and published in National Conference on “Recent Trends in Manufacturing Technology and Management”, Adhiyamaan College of Engineering, Hosur, Jan.28 and 29, 2002.
54. **Mrs. S. K. Pandey**, Mrs. R. Nagalakshmi and K. S. Pandey, “Hot Forging Charecteristics of Iron and Fe – FeO Sintered Composite Preforms and Mathematical Treatment of Poisson’s Ratio for Porous Material”, paper presented and published in National Conference on “Recent Trends in Manufacturing Technology and Management” held at Adhiyamaan College of Engineering, Hosur, Jan.28 and 29, 2002.
55. **Mrs. S. K. Pandey**, “Heat Transfer Studies in Two-Phase Liquid Mixtures”, paper published in ‘Engineering Today’, Vol. III, Issue 12, December 2001.
56. Ms. R. G. Sakuntala and **Mrs. S. K. Pandey**, “Design and Applications of Plate Heat Exchanger”, paper published in ‘Engineering Today’, Vol. IV, Issue 3, March 2002.
57. **Mrs. S. K. Pandey**, “Novel Approach to Increase Efficiency and Reduce Vehicular Emission by Fuelling W/O Emulsions”, paper published in ‘Engineering Today’, April, 2002
58. N. Durairaj, and **Mrs. S. K. Pandey**, “Heat Transfer in Agitated Vessel with Solid-Liquid Suspensions”, paper published in ‘Engineering Today’, May, 2002.
59. N. Durairaj, and **Mrs. S. K. Pandey**, “Heat Transfer and Flow Characteristics of Agitated Suspensions”, paper published in Indian Chemical Engineer, a quarterly

journal of Indian Institute of Chemical Engineering (Incorporating the Transactions), Vol. 44, No.3, pp. 158-163, July – September, 2002.

60. **Mrs. S. K. Pandey**, “Environmental Problems in India and Role of Engineers towards Sustainable Development”, paper presented and published in National Seminar on Environmental Awareness, Education and Management for Sustainable Rural Development (NSERD-II), organised by Dept. of Environmental Sciences, S.V.University, Tirupati-517 502, (A.P.), India, Aug. 26-28, 2002.
61. D.Nagarathinam, G. Jaya Ramachandran and **Mrs. S. K. Pandey**, “Two Phase Solid-Liquid Suspensions in Shell and Tube Heat Exchangers”, paper published in Chemical Products Finder, The Journal of Materials & Equipment for the Process Industries, Vol.21, No.1, pp. 61-63, June 2002.
62. N. Durairaj and **Mrs. S. K. Pandey**, “Computational Fluid Dynamics & Heat Transfer Studies in an Agitated Coiled Vessel”, paper presented and published in Fourth National Conference on Thermal Systems, FNCTS -2003, organised by Dept. of Mechanical Engg, Institute of Technology., Banaras Hindu University, Varanasi during Feb.2003.
63. **Mrs. S. K. Pandey**, Mrs. R. Nagalakshmi and K. S. Pandey, “Effect of Homogenisation & Quenching media on the mechanical properties of Hot Forged AISI 9250 sintered P/M steel”, paper presented in the symposium on advances in metal forming organised by Indira Gandhi Centre of Atomic Research, Kalpakkam, India, Jan 20-21, 2003.
64. R. Chandramouli, **Mrs. S. K. Pandey** and K. S. Pandey, “Cold Forging of sintered Iron-Carbon Ring Preforms for Automotive Applications – A Fundamental Investigation”, paper presented in 29<sup>th</sup> National powder Metallurgy Conference and Annual Technical meeting at hotel Cidade de Goa , Vainguinim beach, Goa, India during Jan. 30-31, 2003.
65. P. Jai Ganesh, Meenu Srivastava, **Mrs. S.K. Pandey** and S. Pandey, “Densification mechanisms operative during Hot forging of sintered AISI 2512 P/M steel manufactured from elemental powders”, paper presented in National seminar on Science and Technology of Advanced Engineering Materials (STAEM – 2003) organised by IIM, Trivandrum chapter, Feb. 20-21, 2003. (Paper was awarded **Third Best Prize** for oral presentation)
66. L. Uma Shankar, P. Karthikeyan and **Mrs. S. K. Pandey**, “Selection Criterion of CFD Codes for Flow Modeling and Simulation”, paper presented and published in Two day National Seminar on PROCESS MODELING AND SIMULATION, organised by Dept. of Chemical Engineering, Vellore Institute of Technology (Deemed University), Vellore – 632 014, India, during Mar. 3 & 4, 2003.

67. P. Manikanda Kumar, Meenu Srivastava, K. S. Pandey, **S. K. Pandey** and R. Nagalakshmi, "Evaluation of Mechanical Properties of Sintered & Hot forged 0.25 % C P/M steel of Square Cross Bars," National Conference on Materials Processing and Failure Analysis (MPFA-2003), Organised by Department of Metallurgical Engineering, Regional Engineering College, Tiruchirappalli – 620 015, p. 75, during June 19-20, 2003.
68. M. Ravikumar, M. Malathi, R. Mariappan, K. S. Pandey and **Mrs. S. K. Pandey**, "Assesment of Tensile Properties of Sintered Hot Forged Square Cross-Section Bars of Low Carbon P/M Steel Containing 0.6 Mn as an Alloying Element", National Conference on Materials Processing and Failure Analysis (MPFA-2003), Organised by Department of Metallurgical Engineering, Regional Engineering College, Tiruchirappalli – 620 015, p. 10, during June 19-20, 2003.
69. L. Uma shankar, P. Karthikeyan and **Dr. (Mrs.) S. K. Pandey**, "Computational Fluid Dynamics (CFD) Simulation of A 2D-Axisymmetric Bubble Column Reactor", paper has been published in National Conference on "Emerging Trends in Engineering, Technology and Management" to be held on Sept.8 & 9, 2003, organised by ISTE Chapter, Adhiyamaan College of Engineering, Hosur-635 109.
70. G.Venkata Siva Kumar, P.Karthikeyan, L.Uma Shankar and **Mrs. S. K. Pandey**, "Hydrodynamic Studies on Liquid-Solid Fluidized Bed," paper has been published in National Conference on "Emerging Trends in Engineering, Technology and Management" to be held on Sept..8 & 9, 2003, organised by ISTE Chapter, Adhiyamaan College of Engineering, Hosur-635 109.
71. G. Thirugnanam, P. Karthikeyan, L. Uma Shankar and **Dr. (Mrs.) S. K. Pandey**, "Experimental Studies on Nucleate Pool Boiling of Sodium Chloride–Water and Sugar–Water Solutions", paper has been accepted and published in the National Conference on "Emerging Trends in Engineering, Technology and Management" to be held on Sept..8 & 9, 2003, organised by ISTE Chapter, Adhiyamaan College of Engineering, Hosur-635 109.
72. **Dr. (Mrs.) S. K. Pandey**, "Computational Fluid Dynamics (CFD) and its Applications in Agitated Reactors", paper has been published in the National Conference on "Emerging Trends in Engineering, Technology and Management" to be held on Sept.8 & 9, 2003, organised by ISTE Chapter, Adhiyamaan College of Engineering, Hosur –635 109.
73. N. Durairaj and **Dr. (Mrs.) S. K. Pandey**, "Heat Transfer of Solid-Liquid Suspensions in an Agitated Vessel", paper has been published in Indian Chemical Engineer, a quarterly journal of Indian Institute of Chemical Engineers (Incorporating the Transactions).



74. N. Durairaj and **Dr. (Mrs.) S. K. Pandey**, “Heat Transfer of Single-Phase Fluids in an Agitated Vessel”, paper has been published in the journal “*Engineering Today*”.
75. N. Durairaj and **Dr. (Mrs.) S. K. Pandey**, “Settling Characteristics and its Impact on Heat Transfer in Solid-Liquid Suspensions”, paper has been published in Indian Chemical Engineer, a quarterly journal of Indian Institute of Chemical Engineers (Incorporating the Transactions).