

## SOME RESEARCH STATISTICS (As of July 24, 2011)

**Professor Arun S. Mujumdar, M3TC/Mechanical Engineering Dept., NUS**

**(i) Number of papers published (in refereed journals only): 442**

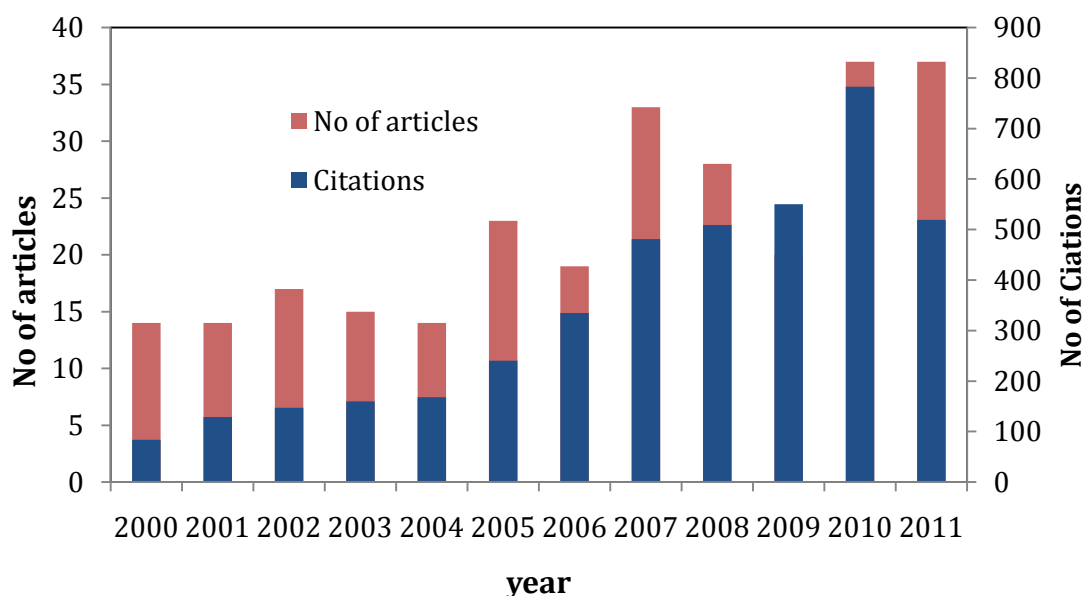
**(ii) Number of papers published during last 10 years in refereed journals: 225**

**(iii) Total no of citations (Until June 2011) - 4334**

**(iv) Citations in 2010 - 783**

**(v) Average citations per article - 9.8**

**(vi) Citation chart of Prof Mujumdar**



**(vii) List of twenty most significant refereed journal papers and corresponding citation index:**

1. Wang X. and **Mujumdar, A.S.** Heat transfer characteristics of nano-fluids: A Review, International Journal of Thermal Sciences **2007**, 46(1), 1-19.  
Cited by: **212**
2. Zhang, M., Tang, J., **Mujumdar, A.S.** and Wang, S. Trends in microwave-related drying of fruits and vegetables, Trends in Food Science and Technology **2006**, 17 (10), 524-534.  
Cited by: **86**

3. Rostami, A.A., **Mujumdar, A.S.** and Saniei, N. Flow and heat transfer for gas flowing in microchannels: A review, *Heat and Mass Transfer/Waerme- und Stoffuebertragung* **2002**, 38(4-5), 359-367.  
Cited by: **70**
4. Yanyang, X., Min, Z., **Mujumdar, A.S.**, Le-qun, Z. and Jin-cai, S. Studies on hot air and microwave vacuum drying of wild cabbage, *Drying Technology* **2004**, 22(9), 2201-2209.  
Cited by: **57**
5. Ratti, C. and **Mujumdar, A.S.** Solar drying of foods: Modeling and numerical simulation, *Solar Energy* **1997**, 60 (3-4), 151-157  
Cited by: **55**
6. Huang, B. and **Mujumdar, A.S.** Use of neural network to predict industrial dryer performance, *Drying Technology* **1993**, 11 (3), 525-541.  
Cited by: **52**
7. Chen, G., Yue, P.L. and **Mujumdar, A.S.** Sludge dewatering and drying, *Drying Technology* **2002**, 20(4-5), 883-916.  
Cited by: **50**
8. Chua, K.J., **Mujumdar, A.S.**, Hawlader, M.N.A., Chou, S.K. and Ho, J.C. Batch drying of banana pieces - Effect of stepwise change in drying air temperature on drying kinetics and product colour, *Food Research International* **2001**, 34 (8), 721-731.  
Cited by: **50**
9. Hosseinalipour, S.M. and **Mujumdar, A.S.** Comparative evaluation of different turbulence models for confined impinging and opposing jet flows, *Numerical Heat Transfer; Part A: Applications* **1995**, 28 (6), 647-666.  
Cited by: **49**
10. Goel, M., **Mujumdar, A.S.**, Ray, M.B., Sonochemical decomposition of volatile and non-volatile organic compounds – A comparative study, *Water Research* **2004**, 38(19), 4247-4261.  
Cited by: **48**
11. Devahastin, S., Suvarnakuta, P., Soponsonnarit, S. and **Mujumdar, A.S.**, A comparative study of low-pressure superheated steam and vacuum drying of heat-sensitive materials, *Drying Technology* **2005**, 23(3), 1845-1867.  
Cited by: **47**
12. Chua, K.J., **Mujumdar, A.S.**, Chou, S.K., Hawlader, M.N.A. and Ho, J.C. Convective drying of banana, guava and potato pieces : Effect of cyclical variations of air temperature on drying kinetics and color change, *Drying Technology* **2000**, 18 (4-5), 907-936.  
Cited by: **46**
13. Huang, L., Kumar, K. and **Mujumdar, A.S.** Use of computational fluid dynamics to evaluate alternative spray dryer chamber configurations, *Drying Technology* **2003**, 21(3), 385-412  
Cited by: **41**
14. Huang, L., Kumar, K. and **Mujumdar, A.S.** Simulation of a spray dryer fitted with a rotary disk atomizer using a three-dimensional computational fluid dynamic model, *Drying Technology* **2004**, 22 (6), 1489-1515.  
Cited by: **41**

15. Chua, K.J., **Mujumdar, A.S.** and Chou, S.K. Intermittent drying of bioproducts - An overview, *Bioresource Technology* **2003**, 90 (3), 285-295.  
Cited by: **40**
16. Gupta, Rahul and **Mujumdar, A.S.** Aerodynamics of a vibrated fluid bed, *Canadian Journal of Chemical Engineering* **1980**, 58(3), 332-338 .  
Cited by: **39**
17. **Mujumdar, A.S.** Research and development in drying: Recent trends and future prospects, *Drying Technology* **2004**, 22 (1-2), 1-26.  
Cited by: **39**
18. Huang, L., Kumar, K. and **Mujumdar, A.S.** A parametric study of the gas flow patterns and drying performance of co-current spray dryer: Results of a computational fluid dynamics study, *Drying Technology* **2003**, 21 (6), 957-978.  
Cited by: **38**
19. Islam, Md.R., Ho, J.C. and **Mujumdar, A.S.** Simulation of liquid diffusion-controlled drying of shrinking thin slabs subjected to multiple heat sources, *Drying Technology* 21 (3), pp. 413-438.  
Cited by: **34**
20. Seyedein, S.H., Hasan, M. and **Mujumdar, A.S.** Turbulent flow and heat transfer from confined multiple impinging slot jets, *Numerical Heat Transfer; Part A: Applications* **1995**, 27 (1), 35-51.  
Cited by: **34**

**(viii) Number of single author publications over the last 10 years**

1. Mujumdar, A.S. overview of innovation in industrial drying: current status and R&D needs, *Transport in Porous Media* **2007**, 66(1-2), 3-18.
2. Mujumdar, A.S. Research and development in drying: Recent trends and future prospects, *Drying Technology* **2004**, 22(1-2), 1-26.
3. Mujumdar, A.S. Drying Research-Current State and Future Trends, *Developments in Chemical Engineering and Mineral Processing* **2002**, 10(3/4), 225-246.
4. Mujumdar, A.S. Material properties and techniques for their measurement and estimation, *Drying Technology* **2000**, 18(6), VII - VIII.

**Comparison**

Source →	ISI Web of Science	Scopus	Google Scholar	Harzing's Publish or Perish
Total No of contributions	428(only articles)	442 (only articles)	1175 (includes articles, book contribution, editorials)	961 (includes articles, book contribution, editorials)
Total no of citations	4215	4334		5502
h-index	30	29		30

**(ix) Number of publications in conference proceedings: 250**