

# Summary – Professional Outcomes during January 2012 – July 2013



## Professor Arun S Mujumdar

e-mail: [arunmujumdar123@gmail.com](mailto:arunmujumdar123@gmail.com)

Websites: [www.arunmujumdar.com](http://www.arunmujumdar.com); <http://tprbooks.host22.com/>; <http://arunmujumdar.site88.net/>

Address during September – December, 2013:

Department of Chemical and Biomolecular Engineering, Hong Kong University of Science and Technology.

*Honorary Distinguished Professor, Institute of Chemical Technology (Formerly UDCT), Mumbai, India  
Adjunct Professor, Bioresource Engineering, McGill University, Canada*



## Administrative Work – Director, M3TC

- Administration of Centre, office staff, research staff etc
- Research grants from M3TC; review/seek external reviews; follow progress
- Web page content, 12 newsletters in 2012
- Business development for M3TC, R&D projects, industry/academic liaison
- Manage/ prepare M3TC Tech Reports , publications, presentations
- Final Report on 3 R&D projects for M3TC and Final Report to EDB on M3TC.

## Teaching

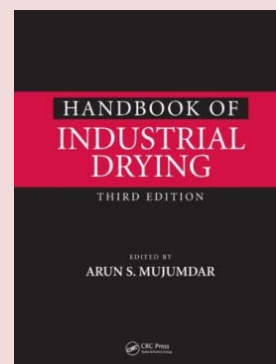
- ME 6203 Mass Transport
- ME6202 Convective Heat Transfer
- Several FYPs, some leading to publication/presentation at conferences
- Examiner for MEng, PhD QE and Final theses at NUS, external universities; mentor/Co-Advisor for several PhD students in China, Iran etc.

## Research Projects

- Supervised 4 Research Fellows, 1 MEng, & 2 PhD students at NUS;
- Co-advised 5 PhDs elsewhere
- Areas of research: Drying technology, Coal upgrading, Underground mine ventilation, Thermal management.

## Publications

- No of journal papers – 45 (17 months)
- Total no of citations until June 2013 – 6681
- Total no of citations in 2012 – 1054 (one year)
- h-index (Overall) – 37
- Books – 2
  - Modern Drying Technology (Vol 4), Wiley-VCH-Wiley, Germany
  - Perspectives on Innovation, Globalization and R&D by Arun S Mujumdar
- Books in press – 3
  - Modern Drying Technology (Vol 5), Wiley-VCH-Wiley, Germany
  - Handbook of Industrial Drying (Edition 4), CRC Press
  - Guide to Industrial Drying – updates for 3<sup>rd</sup> edition
- Keynote/Plenary lectures – 5
- Conference papers – 15
- M3TC technical reports – 5
- Number of e-books – 4 (math modeling; innovation, R&D, Drying Technology, Fluidization Engineering etc for free downloads from [www.arunmujumdar.com](http://www.arunmujumdar.com))
- 24 journal issues as Editor-in-Chief of Drying Technology Journal (IF 2.0814) (All from Jan 2012-May 2013); Over 50% rejection rate. Serves industry/academia readership.



*R&D funding to research is like water to plants. Both overfunding and underfunding are detrimental to performance.*

*..... Arun S Mujumdar*

# Summary – Professional Outcomes during January 2012 – July 2013

Professor Arun S Mujumdar

*Honorary Distinguished Professor, Institute of Chemical Technology (Formerly UDCT), Mumbai, India  
Adjunct Professor, Bioresource Engineering, McGill University, Canada*

## Industrial Consulting (For M3TC)

- 15 companies from Singapore China, India, Korea, Indonesia, Malaysia etc. Pro Bono to promote M3TC/FoE/NUS

## International Recognition

- Received Honorary Doctorate (Lyon 1, France) November 30, 2012
- 5 major international awards including one medal and a Distinguished Visiting Professorship named after Prof. ASM at Institute of Chemical Technology, Mumbai, India.
- Received Jiangsu Province Award for Contributions to science and technology of the province (GDP half of India's). Named to All China Award by Jiangsu Province - only academic to be selected. Emeritus Professor, NIFTEM, India. Adjunct Professor, Indian Institute of Crop Processing Technology, Thanjavur, India. Visiting Professor, HKUST, Hong Kong.
- Selected for High End Foreign Expert appointment by Chinese Ministry.



## Professional Service

- Editor-in-Chief, Drying Technology Journal. Taylor & Francis (USA)
- Member, Editorial Board – International Journal of Thermal Science, Chemical Engineering and Processing, Asian Journal of Chemical Engineering, Zhenjiang University Journal of Science and Technology, Thermal Science, etc.
- Member, International Program Committee of the Process Technology Institute of Delft Technical University, Delft, The Netherlands. (2012-2015)
- Referee for 35+ journals, granting agencies in many countries, P&T evaluations for many universities etc.
- ~ 350 papers reviewed per year on average for Drying Technology and other journals/major conferences.
- Maintenance of two websites with almost 200,000 visits since 2004. This will lead to a Think Tank on R&D in Drying, Energy and Environment from 2014 as well as Mentoring.

**Overall research metrics: 525+ journal papers (Scopus); ~6680 citations; h index 37  
Google Scholar: Over 1100 publications and ~12000 citations**

*Above stats are for info only; although not measures of real impact these metrics unfortunately are in extensive use and can affect “ranking” of departments/Faculty and University.*

True impact: With over 260 archived papers, 60+ books, 50+ international conferences, 50+ workshops/ short courses related only to Drying Technology, 4 editions of the globally acclaimed Handbook of Industrial Drying, Guide to Drying published in six languages, 6 e-books on drying for free downloads and consulting for 70+ companies (1980-2000) as well as pro bono consulting for over 12 (2000-2013) on drying/dryers, overall awareness about drying technologies and their impact on energy and carbon footprint has led to massive energy savings on global scale.

***No amount of citations can measure this scale of impact on a truly global scale over a sustained period of over 35 years. The above data are included only as raw bibliometric data. True impact requires decades of sustained effort and hence cannot be measured over short spans of time.***

**FOR DETAILS PLEASE VISIT  
[www.arunmujumdar.com](http://www.arunmujumdar.com)**