

Curriculum Vitae

PROFESSOR DR. JEGATHESWARAN RATNASINGAM

Specialization: Furniture Manufacturing & Management, Green Economy in Forest Products

ACADEMIC QUALIFICATIONS

- PhD in Furniture Technology, Brunel University, UK, 1998
- Master of Science in Wood Industries Technology, UPM, 1989
- Bac. of Forestry Science, UPM, 1988
- Post-Graduate Diploma in Operations Research, IIT, 1992
- Diploma in Accounting and Finance, INSEAD, Singapore, 1994

PROFESSIONAL MEMBERSHIPS

1. Working Group (WG) on Pallets
2. Working Group (WG) on Flooring
3. Steering Committee for Training for WISDEC
4. Working Group (WG) on Woodworking Machinery
5. Working Group (WG) on Window Frames
6. Institute of Wood Science, United Kingdom
7. Department of Furniture, Buckinghamshire Chilterns University College, United Kingdom
8. Asian Timber trade magazine Advisor
9. FDM Asia Advisor
10. Asia Link Timber trade journal, Singapore
11. Holz als Roh-und Werkstoff journal reviewer
12. International Resource Economics reviewer
13. Executive Forum of the International Trade Centre (ITC) -UNCTAD/WTO, Geneva, Switzerland
14. International Furniture Research Group (IFRG)
15. Institute of Industrial Engineers, United Kingdom
16. Indian Academy of Wood Science
17. Global Wood Machining Research Group and IWMS Committee
18. Wood Processing (5.04) Sub-Division in International Union of Forestry Research Organization (IUFRO)
19. Committee on Sustainable Wood-Based Industries, FAO, Rome
20. Coordinator for M.S. Wood Industry Technology Program at the Faculty of Forestry, UPM (since January 2010)
21. Coordinator of Industrial Training at the Faculty of Forestry, UPM (since March 2004)

COURSES TAUGHT

- Forest Ergonomics
- Quality Management System for the Wood Industry
- Furniture Design and Manufacturing

- Furniture Manufacturing Processes

WORK EXPERIENCE

Asian Woodworking Industry – 15 years

Academia – since 1998

CONFERENCES

1. 22nd International Wood Machining Seminar (IWMS), Quebec City, Canada, 14-17 June 2015
2. XIV World Forestry Congress, Durban, South Africa, 7-11 Sept 2015.
3. EFE 2015 Seminar, Kuala Lumpur, Malaysia, 4-7 March 2015.
4. Buidtech International Conference, Kuala Lumpur, Malaysia, 8-10 Oct 2014.
5. MIFF 2014 Industry Seminar Series, Kuala Lumpur, Malaysia, 4-8 March 2014
6. 21st International Wood Machining Seminar. Tsukuba, Japan, 4-7 Aug 2013.
7. Forest and Ecosystem Science Education Special Session IUFRO 2013, Kuching, Malaysia, 2-3 Oct 2013
8. Malaysian International Furniture Fair (MIFF) 2013, Kuala Lumpur, Malaysia, 5-9 March 2013.

RESEARCH PROJECTS

1. Evaluation Tribological Characteristics of Oil Palm Biomass-Based and Wood-Based Products, FRGS (9418100), RM 94,700, July 2014-June 2017
2. Evaluating the Mechanical Injury Problems in the Bamboo and Wood Furniture Manufacturing Industry in Malaysia, Public Fund (/9418100), RM 96,000, Jan 2014-Dec 2015.
3. Evaluation of Cutting forces during the Sawing of Rubber wood, RUGS 9330000), RM 23,000, Sept 2012-Aug 2014.
4. Evaluation of Dust Particles Characteristics of Malaysian Hardwoods and Its Implications on Woodworkers Health, FRGS (5524201), RM 44,000, May 2012-Apr 2014.

PUBLICATIONS

| Penerbitan | Kuantiti |
|------------------------|----------|
| Modules | 2 |
| Books | 27 |
| Chapter in book | 8 |
| Academic Journal | 105 |
| Conference Proceedings | 76 |

SELECTED PUBLICATIONS

1. Ratnasingam J., Ioras, F. 2015. The Fatigue Characteristics of Two-pin Moment-resisting Dowel Furniture Joints with different Assembly Time and Glueline Thickness, *European Journal of Wood and Wood Products*, 73(2): 279-281.
2. Ratnasingam, J., Grohmann, R. 2015. Superheated Steam Application to optimize the Kiln Drying of Rubberwood , *European Journal of Wood and Wood Products*, 73(3): 407-409.
3. Ratnasingam, J., Scholz, F. 2015. Dust Emission Characteristics in the Bamboo and Rattan Furniture Manufacturing Industries, *European Journal of Wood and Wood Products*, 73(4): 561-562.
4. Ratnasingam, J., Ramasamy, G., Toong, W.C., Abdul Latib, S., Mohd Ashadie, K., Muttiah, N. 2015. An Assessment of the Carbon Footprint of Tropical Hardwood Sawn Timber Production, *Bioresources*, 10(3): 5174-5190.
5. Ratnasingam, J., Ioras, F. 2014. Status and Challenges of ISO 9001 Quality System Adoption among Wooden Furniture Manufacturers in Malaysia and Vietnam, *International Wood Products Journal*, 5(4), 186-191.
6. Ratnasingam, J., Ng'andwe, P., Ioras, F., Abrudan, I.V. 2014. Forestry and Forest Products Industries in Zambia and the role of REDD+ Initiatives, *Commonwealth Forestry Association*, 16(4), 1465-5489.
7. Ratnasingam, J., Grohmann, R. 2014. Color Development in Rubberwood (*Hevea brasiliensis*) during Kiln Drying, *European Journal of Wood and Wood Products*, 72(4): 555-557.
8. Ratnasingam, J., Lim, T.W., Thanasegara, G., Ioras, F., Vacalie, C., Coman, C., Wenming, L. 2013. Innovations in the Forest Products Industry: The Malaysian Experience, *Notulae Botanicae Horti Agrobotanica Cluj-Napoca*, 41(2): 601-607.
9. Ratnasingam, J., Ioras, F. 2013. Effect of Adhesive Type and Glue-Line Thickness on the Fatigue Strength of Mortise and Tenon Furniture Joints, *European Journal of Wood and Wood Products*, 71(6): 819-821.

SUPERVISION

| Program | Status | Pengerusi | Ahli |
|--------------------------|-----------|-----------|------|
| PhD | Graduated | 3 | 3 |
| | On-going | 1 | 1 |
| Masters (with thesis) | Graduated | 11 | 3 |
| | On-going | 2 | - |
| Masters (without thesis) | Graduated | 2 | - |
| | On-going | - | - |