

Balkis Fatomer A. Bakar
Department of Wood and Fiber Industry, Faculty of Forestry and Environment
Universiti Putra Malaysia
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1. EDUCATION (degree, year awarded, institution, primary focus/major)

Doctor of Philosophy in Wood Science Oregon State University (OSU, United States)	2019
Master of Science (Bio-composite Technology) Universiti Putra Malaysia (UPM, Malaysia)	2014
Honors Degree Bachelor of Science (Bio-composite Technology) Universiti Teknologi Mara (UiTM, Malaysia)	2009

2. EMPLOYMENT EXPERIENCE

Senior Lecturer Department of Wood and Fiber Industry, Faculty of Forestry and Environment, Universiti Putra Malaysia	2019- present
Tutor Department of Forest Products, Faculty of Forestry, Universiti Putra Malaysia	2011-2019
Research Assistant Institute of Tropical Forestry and Forest Product (INTROP), Universiti Putra Malaysia	2009
Human Resources Executive Masri Processing Sdn Bhd	2009

3. STUDENTS MENTORED (past four years)

2021

Sharifah Nurhana binti Syed Mohamad Amin
Nurul Aida binti Othman
Nurul Izzati binti Abdullah Zawawi
Alhassan Abare
Sarah-Nur Hanis binti Roslan

2020

Wong Mui Leng
Amalil Asma Binti Amdan
Aiman Luqman Bin Senin
Ahmad Lutfi Rahman Bin Abdul Latiff

4. PRIMARY RESEARCH AREA WITH UP TO FOUR CURRENT RESEARCH

PROJECTS

Biobased panels, Biobased adhesives/polymers, nonwood, wood plastic composites

- Hybrid Bamboo/Oil Palm Stem Panels
- Kenaf/Bamboo Hybrid Composites
- Batai Project
- Wooden Hollow Beam/Panels
- Wood Plastic Composites

5. PROFESSIONAL ACTIVITIES AND ACHIEVEMENTS (Memberships, Editorial boards, professional society leadership roles, awards, honors)

Professional Memberships

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| • Malaysian Bamboo Society | 2020-present |
| • Society of Wood Science and Technology | 2017-present |
| • Forest Product Society (FPS) | 2016-2019 |
| • Wood-based Composites (WBC) Center | 2015-2019 |

Awards/Honors

- | | |
|---|------------|
| • George Marra First Place Award for Excellence in Writing | 2021 |
| • SWST Student Travel Award | 2018, 2017 |
| • Wood Science Bowl (First Place)– Forest Product Society | 2018 |
| • Sutherland- Forestry Scholarship, Benton Community Foundation | 2018 |
| • Forest Product Society – Student Scholarship | 2018 |
| • Graduate Student Travel Award, Oregon State University | 2017 |
| • Malaysian Ministry of Higher Education Scholarship (SLAB/SLAI scheme) | 2015-2019 |
| • Research Attachment Universiti Putra Malaysia - Oklahoma State University, USA- | 2012 |
| • Young Scientist Program – IUFRO All Division 5 Conference, Portugal | 2012 |
| • MyMaster, Malaysian Ministry of Higher Education Scholarship | 2011 |
| • Graduate Research Fellow, Universiti Putra Malaysia | 2010-2011 |
| • Public Service Department (JPA scheme) | 2006-2009 |

6. PUBLICATIONS (3-5 most important contributions (publications, seminars, graduates, etc.)

- **Bakar, B.F.A & Kamke, F.A.** (2021) Alkali Concentration and Diluent Effects on Properties of Grape Cane Fiber-Reinforced Polymer Composites. *Polymers*. 13 (4055): 1-15.
- **Bakar, B.F.A & Kamke, F.A.** (2020) Comparison of Alkali Treatments on Selected Chemical, Physical and Mechanical Properties of Grape Cane Fibers. *Cellulose*. 27(13): 7371-7387.
- **Bakar, B.F.A & Kamke, F.A** (2020) Effect of Alkali Treatment on The Tensile Properties of Grape Cane Fibers by Integrating Digital Image Correlation Method. *Wood and Fiber Science*. 52(4). 365-379.
- **Balkis Fatomer A.B.,** Hizioglu S., Paridah M.T. (2013) Properties of Some Thermally Modified Wood Species. *Materials and Design Journal*. 43: 348-355.
- **Balkis Fatomer A. B.,** Paridah M. T., Karimi A. N., Bakar, E.S., Anwar U. M. K., and Choo, A.C.Y. (2013) Evaluations of some Physical Properties for Oil Palm as Alternative Biomass Resources. *Wood Material Science and Technology*. Vol. 8(2): 119-128.