



Engr. ARTBELLSON B. MAMURI

Science Research Specialist I, Research Directorate,
Mariano Marcos State University

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PROFESSIONAL SUMMARY

Electronics engineer and technology transfer professional with over 10 years of combined experience in instrumentation & control, renewable energy systems, and intellectual property management. Proven track record of leading R&D projects, securing multiple patents and utility models, and mentoring innovators through technology business incubation. Adept at smart systems, IoT, and data analytics with a passion for translating research outputs into market-ready solutions. Currently spearheading IP-TBM initiatives under the DOST-funded RAISE Phase II program.

CORE COMPETENCIES

- Instrumentation & Control Systems
- Smart Systems, IoT & Data Analytics
- Home & Smart Agriculture Automation
- Renewable Energy Engineering
- Intellectual Property Management
- Technology Commercialization

EDUCATION

Bachelor of Science in Electronics Engineering — Cagayan State University – Carig Campus (2006–2012)

PROFESSIONAL EXPERIENCE

- IP-TBM Project Staff, Regional Agri-Aqua Innovation System Enhancement (RAISE) Phase II, Mariano Marcos State University (2024 – Present)
- Chief, University Innovation and Technology Support Office (UITSO), Mariano Marcos State University (2022 – Present)
- Vice-Chair, University Inspection Team, Mariano Marcos State University (Mar 2022 – 2024)
- Project Staff, DOST-MMSU Bannuar Technology Business Incubator, Department of Science & Technology / MMSU (2023 – 2025)

- Patent Search Officer, UITSO, Mariano Marcos State University (2017 – 2021)

SELECTED R&D PROJECTS

- Development of an Intellectual Property Management System (2024 – Present)
- HEIRIT: Establishment of DOST-MMSU Bannuar Technology Business Incubator (2023 – 2025)
- IP-TBM: Support to University's Technology Acceleration Initiatives (2022 – 2023)
- Development of Controlled Indoor Propagation Nursery for Clean Garlic Planting Material (2020 – 2022)
- Optimization & Automation of Lab-Scale Bioethanol Distillers (2018 – 2020)
- Design & Development of Solar Pump Controller (2018 – 2019)

INTELLECTUAL PROPERTY & PUBLICATIONS

- Patents / Utility Models:
 - Non-Caffeinated Beverage Formulated from Coconut Pulp — Patent filed Oct 2024
 - Smart Solar Pump Controller — Patent filed Oct 2020
 - Modular Reflux Distiller — Utility Model filed Oct 2020
 - Apparatus in Controlling Reflux Distiller — Patent filed Oct 2020
- Publication:
 - Optimization of a 10-L Full-Electric Reflux Distiller. In: IOP Conf. Series: Earth & Environmental Science 1034 (2022) 012039.

AWARDS & HONORS

- Third Place, ICIERD 4th R&D Symposium — Design & Development of a Solar Pump Controller (Oct 2018)
- Third Place, Patent Search Competition on Innovative Technical Solutions for Business (Sept 2022)

TRAININGS & CERTIFICATIONS

- **IP 101 Symposium & Patent Information Search Workshop 1&2**, *University of Santo Tomas and Adamson University on 9/26/2017*
- **Freedom to Operate Training Workshop (Batch 2)**, *Technology Application and Promotion Institute of the Department of Science and Technology on 3/7/2018*
- **Foundation Course on Intellectual Property (IP)**, *Intellectual Property Office of the Philippines on 10/19/2018*
- **Patent Search Training**, *Intellectual Property Office of the Philippines on 11/9/2018*
Training on Intellectual Property Management, *Ilocos Agriculture, Aquatic & Natural Resources Research & Development Consortium on 2/6/2019*

- **Advanced Freedom to Operate (FTO) Training**, *Technology Application and Promotion Institute of the Department of Science and Technology*
- **Training-Workshop on Patent Drafting**, *Mariano Marcos State University on 9/10/2019 Distance Learning Course on "Introduction to Patent Cooperation Treaty", World Intellectual Property Organization on 4/25/2019*
- **Distance Learning Course on "Advanced Course on Patents"**, *World Intellectual Property Organization on 4/9/2020*
- **Webinar Series on Intellectual Property and Technology Transfer: "Technology Transfer Act and its Implementing Rules and Regulations, as Revised"**, *Department of Science and Technology PCHRD on 8/25/2020*
- **Webinar Series on Intellectual Property and Technology Transfer: Guidelines in Securing a Fairness Opinion Report**, *Department of Science and Technology PCHRD on 10/13/2020*
- **IP Master Class (Non-Chem)**, *Department of Science and Technology on August-October 2020*
- **Technology Commercialization Mentorship Series**, *Department of Science and Technology on 2021*
- **Training on Patent Information Retrieval (Patent Search) and Patent Search Competition on Innovative Technical Solutions for Business** *EREA Adamson University, IPOPHL on September 2022*
- **World Intellectual Property Organization: Basics of Patent Drafting** *Sept-Dec. 2022*
- **World Intellectual Property Organization: Patent Information Search** *Sept-Dec. 2022*
- **World Intellectual Property Organization: General Course on Intellectual Property** *Sept-Nov. 2022*
- **World Intellectual Property Organization: Specialized Course on the Essentials of Patents** *August 2023*
- **World Intellectual Property Organization: TISC Foundation Certificate** *Nov. 2023-2024*
- **FILIPINNOVATION ENTREPRENEURSHIP CORPS (FEC) - COHORT 2** *2024-2025*
- **SPRINT-STEP TRAINING**: Short-term program for researchers on innovation and technopreneurship (SPRINT)-Science and Technology Entrepreneurship Program (STEP) Training 2025

OTHER CREDENTIALS

- ASEAN Young Scientist Fellow — Pioneering Intellectual Property Program (2020)
- Certified TISC Staff — WIPO (valid 2024 – 2029)

Updated: 15 July 2025