



Professional Summary

Ali Madi received a Master's degree in electrical technology in 2005 from the University of Beihang in China. From 1993 to 2001, he worked as an engineer at the Surman Higher Institute for Comprehensive Professions. He has assisted in teaching many courses in the field of electrical technology. After graduating in 2005, he re-joined the Surman Higher Institute as a full-time lecturer. He received the PhD's degree in Electrical Engineering 2017 from Beijing University of Chemical Technology. His main research interests include insulator design and the aging mechanisms of insulators used in electrical transmission lines.

Work Experience

Ali Mustafa Madi Associate Professor

Contact

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Publications

- *Design and Testing of An Improved Profile for Silicone Rubber Composite Insulators*
- *Surface Tracking on Polymeric Insulators used in Electrical Transmission Lines*
- *Surface Degradation of Polymer Insulator under Ultraviolet Stress*
- *Studying the State Feedback linearization and Input-Output State Feedback linearization by using Matlab Software to Notice the Systems Response for all Feedback Controls Applied*
- *Design and Testing Neuro Networks Control System for Direct Current Machine*
- *Design a Micro-Ohmmeter for Measuring Very Small Resistance*
- *Design Criteria for Silicone Rubber Insulators (Composite Insulator)*
- *Modeling monthly insolation data.*
- *Self-correct intelligent control based on Fuzzy-Neural Networks*
- *Madi, Ali Mustafa, et al. "Biodegradation of Polymeric Insulators Used in Electrical power." Surman Journal of Science and Technology 5.1 (2023): 031-040.*
- *Madi, Ali Mustafa, et al. "Degradation*

Surman Faculty of Science & Technology , Libya 1987
Assistant Professor (electrical technology) Present

Beijing University of Chemical Technology, Beijing, China 2013 - 2017
PhD Researcher (electrical technology)

Beihang University, China 2001 - 2005
MSc (Electrical Engineering)

Surman Higher Institute of Technology, Libya 1987 - 2001
Head of Department. Lecturer (electrical technology)

Education

Beijing University of Chemical Technology: Beijing, China 2013 - 2017
PhD (electrical technology)

Beihang University, China 2001 - 2005
MSc Electrical Engineering

Higer Institution for Electrical Engineering: Surman, Libya 1987 - 1993
BSc Tech (Electrical Engineering)

Languages

Arabic: Native Speaker - **English:** Advanced

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of Polymers Insulators used in Electrical Transmission Lines under the Rate of Bond Breaking." Surman Journal of Science and Technology 6.1 (2024): 016-028..

- *Preventive And Warning Measures Against the Dangers of The Dark Web: An Awareness and Review Study, Ali Mustafa Madi Awatef Ali Snon, Nizar Ramadan, American Journal of Engineering Research (AJER) 14 (Issue-10), pp-18-27.*
- *Saeid, Z. A. S., Zuglem, A. A., Etomi, I. O. S., & Madi, A. M. A. (2024). Sustainable Energy Solutions for South Libya: A Fuzzy Logic Perspective. Surman Journal of Science and Technology, 6(2), 511-516.*
- *Ramadan, Nizar, and Imad Omara Shebani Etomi. "Impact of Pollution on Leakage Current in Polymeric Insulators: Time and Frequency Domain Analysis." Surman Journal of Science and Technology 6.2 (2024): 093-102.*