

Mortada Hamad Elneel Ahmed Elhesain

Curriculum Vitae



Personal Data

- ❖ **Name:** Mortada Hamad Elneel Ahmed Elhesain
- ❖ **Nationality:** Sudanese
- ❖ **Date and place of birth:** 1st January 1982 - Eldwaim, Sudan
- ❖ **Marital status:** Married
- ❖ **Religion:** Muslim
- ❖ **Position:** Assistant professor of Food Processing Engineering
- ❖ **General Specialization:** Food Processing Engineering
- ❖ **Specialization:** Equipment design and simulation
- ❖ **Tel :** +249918027666 - +249123871161
- ❖ **E-mail:** morta27666@gmail.com.

Education and qualifications:

- ❖ Philosophy Doctorate (PhD) - University of Elimam Elmahdi, Sudan – **25/2/2019**– Major: Food Processing Engineering – (Thesis: **Design and Simulation of Multiple Effect Evaporators to Concentrate Sugar Cane Juice**)
- ❖ Master of Science - University of Gezira, Sudan – **16/9/2012**, Major: Food Engineering – (Thesis: **An Optimum Design of Multiple Effect Evaporators System to Concentrate Sugar Cane Juice**)
- ❖ B.Sc. (Honour) in Faculty of Engineering and Technical Studies - Food Processing Engineering – division One - University of Elimam Elmahdi, Sudan – **10/6/2008**

Professional Employment

- ❖ Teaching assistant - Faculty of Engineering and Technical Studies - Department of Food Processing Engineering - University of Elimam Elmahdi, Sudan 2012.

- ❖ Lecturer - Faculty of Engineering and Technical Studies - Department of Food Processing Engineering - University of Elimam Elmahdi, Sudan 2012 -2019.
- ❖ Assistant professor - Faculty of Engineering and Technical Studies - Department of Food Processing Engineering - University of Elimam Elmahdi, Sudan - 2019.

Administrative Experience

- ❖ Secretary of Examination office Faculty of Engineering and Technical Studies - University of Elimam Elmahdi- Sudan, 2013 – 2014.
- ❖ Head, Department of Food Processing Engineering - University of Elimam Elmahdi, Sudan, 2014 – 2018.
- ❖ Secretary of Academic office - Faculty of Engineering and Technical Studies - University of Elimam Elmahdi- Sudan, 2018 current.

Computer experience:

Windows, Win word, Word perfect, Windows Excel, Windows power point, Matlab, Hisys, Autocad.

Teaching ctivities:

University Courses- University of Elimam Elmahdi, Sudan

- Analytical Geometry & Vectors
- Linear Algebra
- Calculus
- Biostatistics
- Engineering Drawing
- Analytical Chemistry
- Fluid Mechanics
- Units Operations
- Heat Transfer
- Specifications and quality control
- Food Quality Control
- Food analysis
- Food Plant Design

Projects Supervision

I supervised thesis of more than 20 B.Sc. Students:

- 1- An Optimum Design for Triple Effect Evaporators System to Concentrate Sugar Cane Juice.
- 2- An Optimum Design for shell and tube heat exchanger to dairy pasteurization.

- 3- Study the risks of desalinated water from the sea.
- 4- Increasing the purity of carbon dioxide gas from kerosene and using in the soft drinks industry.
- 5- Designing and developing a solar dryer and studying its efficiency in food drying.
- 6- Study of chemical and microbial properties of bottled water produced locally and imported.
- 7- Study and design of drinking water supply network using MATLAB program.
- 8- Design of a plant for the treatment of industrial wastewater sugar plant Asalaia.
- 9- Treatment of salt water using membranes.
- 10- Evaluation of the performance of the water purification plant in Kosti.
- 11- Design a solar dryer of damaged tires and study its efficiency.
- 12- Evaluate the quality of locally produced bottled drinking water.

Membership of Academic Committees:

- 1- Member, University of Elimam Elmahdi Council of Professors 2014 - 2018.
- 2- Member, Council of Faculty of Engineering and Technical Studies - University of Elimam Elmahdi from 2013 current.
- 3- Member of the Department of Food Processing Engineering - University of Elimam Elmahdi from 2012 current.
- 4- Member of Examination Committee of Faculty of Engineering and Technical Studies - University of Elimam Elmahdi from 2013 current.
- 5- Member of the Curriculum Committee of the Department of Food Processing Engineering - University of Elimam Elmahdi 2014.
- 6- Member of the (DAAS) 2015 current.
- 7- Member of Laboratories Committee, Department of Food Processing Engineering - University of Elimam Elmahdi 2014 – 2018.

Training and courses:

- 1- Training course to upgrade the performance 31 January - 6 February 2015 University of Elimam Elmahdi.
- 2- Course of writing the scientific paper 31 January - 6 February 2015 University of Elimam Elmahdi.
- 3- Course writing plan for postgraduate studies (German Academic Exchange Service-Germany) (DAAD) 19-20 August 2015, University of Khartoum.
- 4- Course in the concepts and strategic quality assurance in higher education institutions 20-21 March 2016 University of Elimam Elmahdi
- 5- Course in Electronic Resources (DAAD) 23-26 January 2017 University of Al - Zaeem Azhari

- 6- Course in writing and funding research projects 27 - 28 September 2018, University of Elimam Elmahdi.

Participation in conferences, seminars and other participations

- ❖ Engineering Education Conference in Sudan entitled (Present,, and future prospects) **in 2014** in Khartoum, Sudan.
- ❖ Participation in the development of engineers in Kosti water plant - White Nile State (presenting lectures on the role and importance of quality control in the Commission) – **2014** in Kosti - Sudan
- ❖ Participation in the development of engineers in Kosti water plant - White Nile State (presenting lectures on the role and importance of maintenance units in the plant) – **2015** in Kosti - Sudan
- ❖ Participation in the workshop Bioethics of (DAAD **2015**) in Khartoum, Sudan.

List of publication

1- Evaluation of Pumps Efficiency in Small Irrigated Schemes around Khartoum State

2-Evaluation and optimization of hot liming process in kenana Sugar Factory White Nile state "sudan" International Journal of Scientific and Research Publications, Volume 7, Issue 4, April 2017 1ISSN 2250-3153

3- Evaluation of cow's milk quality in Kosti- Sudan (Scientific Journal of Imam Mahdi University Issue, june-2018 - ISSN 1858-6449)

Refrance:

- ❖ Dr. Elhadi Badawi Mahgoub (Associate Professor) Faculty of Engineering and Technical Studies - University of Elimam Elmahdi - Kosti - Sudan +249915008033
- ❖ Dr. Abdel Moneim Osman Ahmed Babiker (Associate Professor) Faculty of Engineering and Technical Studies - University of Elimam Elmahdi.- Kosti - Sudan +249912420553
- ❖ Dr. Elzubier Ahmed Salih Elfakie (Associate Professor). University of Gezira - Department of Food Engineering and Technology - Wad Madani, Sudan. +249908732778