

## ***Dhalla Mamoun Beshir Mohamed***

Ph.D. in Petroleum Refining Engineering  
Sudan University of Science and Technology  
Khartoum- Sudan.

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### ***Qualifications***

Eng. Dhalla Mamoun Beshir Mohamed is a **Chemical Engineer** being graduated from the University of Khartoum with a **B.Sc.** Honours (Chemical Engineering) in **2006** and an **M.Sc.** (Chemical Engineering) from Universiti Teknologi PETRONAS, Malaysia in **2009**. In January **2015** she has awarded her **Ph.D.** degree in Petroleum Transportation and Refining Engineering. Both her undergraduate education and postgraduate research studies in Sudan and Malaysia were supported with extensive field work and in-depth laboratory investigations.

### ***Education***

(2011-2015)	<b>Ph.D.</b> degree in petroleum refining engineering by research. Thesis title: Impact of American Petroleum Institute Standard Variation on Crude Distillation Unit (Khartoum Refinery Company Case Study)	Khartoum, Khartoum State.
(2007- 2009)	<b>M.Sc.</b> degree by research. Thesis title: Chromium ion removal from waste water using carbon aerogels.	Perak, Malaysia.
(2001-2006)	<b>B.Sc</b> Honours, Second Class ( <b>Division One</b> ) in Chemical Engineering, Faculty of Engineering & Architecture, University of Khartoum	Khartoum, Khartoum State.

## *Experience*

### • Teaching and Research

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|------------------|---|------------------------------|
| (2015- till now) | Assistant professor, Sudan University of Science and Technology, College of Petroleum Engineering and Technology, Department of Transportation & Refining Engineering.  | Khartoum,<br>Khartoum State. |
| (2010- 2014)     | Lecturer, Sudan University of Science and Technology, College of Petroleum Engineering and Technology, Department of Transportation & Refining Engineering.   | Khartoum,<br>Khartoum State. |
| (2007-2009)      | Universiti Teknologi PETRONAS <ul style="list-style-type: none"><li>• Conducting research in wastewater treatment using adsorption technique.</li><li>• Advising final year Projects.</li><li>• Tutoring undergraduate level subjects. Tutor</li><li>• Conducting multiple laboratory demonstrations.</li></ul> | Perak,<br>Malaysia           |

### • Training

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|---------------------|---|-----------------------------|
| (18-20 March, 2015) | Sudan University of Science and Technology, <b><u>Training on how to develop a staff webpage.</u></b> | Khartoum,<br>Khartoum State |
| (3-9 October, 2011) | University of Khartoum, Advanced Training and Performance Development Center,                         | Omdurman,<br>Khartoum State |

	Training on <b><u>Assessment and Evaluation.</u></b>	
<b>(2-6 October, 2011)</b>	Alzain Center for Administrative Training in conjunction with Ministry of Higher Education-Training Department, Training on <b><u>Using SPSS in Social Scientific Research.</u></b>	Khartoum, Khartoum State
<b>(27-31 March, 2011)</b>	Sudan University of Science and Technology, The Sudanese Turkish Continuous Training Centre (STTC), Training on <b><u>Power point Presentation skills Course.</u></b>	Khartoum, Khartoum State
<b>(14-16 December, 2010)</b>	Sudan University of Science and Technology, College of Petroleum Engineering and Technology, Training on <b><u>University-Wide Outcomes Based Assessment Process.</u></b>	Khartoum, Khartoum State
<b>(5-6 December, 2010)</b>	Sudan University of Science and Technology, Self Assessment Administration and Quality Assurance, Training on <b><u>Curriculum Planning and Reinforcement the Quality of the Educational Programs.</u></b>	Khartoum, Khartoum State
<b>(November, 2010)</b>	Sudan University of Science and Technology, College of Petroleum Engineering and Technology, Training on <b><u>Course Portfolio.</u></b>	Khartoum, Khartoum State
<b>(7-13 August, 2010)</b>	University of Khartoum, Advanced Training and Performance Development Center, <b><u>Basics of Scientific Research Course.</u></b>	Omdurman, Khartoum State
<b>(4-7 August, 2010)</b>	University of Khartoum, Advanced Training and Performance Development Center, <b><u>The Use of Instructional Technology in University's Teaching.</u></b>	Omdurman, Khartoum State

<b>(31 July-3 August, 2010)</b>	University of Khartoum, Advanced Training and Performance Development Center, <b><u>Evaluation and Measurement Course.</u></b>	Omdurman, Khartoum State
<b>(13-17 June, 2010)</b>	Sudan University of Science and Technology, College of Petroleum Engineering and Technology, Training on <b><u>Reservoir Fluid Phase Behaviour and PVT Properties.</u></b>	Khartoum, Khartoum State
<b>(August, 2005)</b>	Ministry Of Science &Technology, Industrial Research & Consultancy Centre.	Khartoum, Khartoum State
<b>(April, 2005)</b>	Training in Halfa Sugar Factory.	New Halfa, Sudan
<b>(September, 2005)</b>	Training in El Obied Refinery.	El Obied, Sudan

## ***Activities***

<b>1 April 2015</b>	Attended a scientific lecture title “Energy Management (Sudan)” Presenter Prof Dr. Ing. Ali A. Rabah.	Khartoum, Sudan
<b>26 March 2015</b>	Attended a scientific lecture title “How to write a research paper in order to be published in a scientific journal” Presenter Dr. Abdalbasit Maryod.	Khartoum, Sudan
<b>2014 - till now</b>	Member at Society of petroleum engineers (SPE).	Khartoum, Sudan
<b>(21-22 December, 2010)</b>	Attended a forum on health safety and environment (HSE). Theme: No alternative, but safe driving	Khartoum, Khartoum State
<b>(13-15 August, 2008)</b>	Attended a seminar of polymer reaction engineering.	Perak, Malaysia

**(December, 2008)**

Test of English as a foreign language  
(TOEFL). Scored 507 out of 650.

Penang,  
Malaysia

## ***Publications***

1. Dhallia Mamoun Beshir. **(2015)**. Impact of American Petroleum Institute Standards Variation on Crude Distillation Unit (Khartoum Refinery Company Case Study). A Ph.D. thesis submitted to College of post graduate studies, Sudan University of Science and Technology, Sudan. 111pp.
2. Dhallia Mamoun Beshir, Sumaya A. Mohamed, Ali A. Rabah. **(2014)**. Effect on naphtha and residue yield through different operating and design variables in atmospheric distillation column. *Journal of Petroleum Technology and Alternative Fuels*, Vol. 5(4), pp. 31-37.
3. Dhallia Mamoun Beshir, Ali A. Rabah. **(2014)**. Simulation and characterization in refining industry: A review. *Journal of Petroleum Technology and Alternative Fuels*, Vol. 5(3), pp. 26-30.
4. Azmi Mohd Shariff, Dhalla Mamoun Beshir and Azmi Bustam. **(2010)**. Some Studies on the Synthesis and Characterization of Carbon Aerogel. In *Transactions of the Indian Ceramic Society Journal*, 69 (2). pp. 1-4.
5. Dhallia Mamoun Beshir, Azmi Mohd Shariff, and Mohd Azmi Bustam. **(2009)**. Carbon aerogel usage in chromium ion removal. In *National post graduate conference (NPC)*, Malaysia, 25<sup>th</sup>-26<sup>th</sup> March.
6. Azmi Mohd Shariff, Dhallia Mamoun Beshir, and Mohd Azmi Bustam. **(2009)**. Chromium ion removal from aqueous solution using synthesized carbon aerogel,” *Environmental science and technology conference 2009 (ESTEC '09)*, Malaysia.

7. Dhallia Mamoun Beshir. (2009). Synthesis and characterization of carbon aerogels for chromium ion removal. An MSc thesis submitted to Department of chemical engineering, Univesiti Teknologi Pertronas, Malaysia. 113pp.
8. Dhallia Mamoun Beshir, Mohd Azmi Bustam, and Azmi Mohd Shariff. (2008). Copper ion adsorption by using carbon aerogels from aqueous solution. In *proceedings of 15<sup>th</sup> Regional Symposium on chemical engineering (RSCE) in conjunction with 22<sup>nd</sup> symposium of Malaysian chemical engineers (SOMChE)*, Malaysia, vol. 1, pp. 507-510, 2<sup>nd</sup>-3<sup>rd</sup> December.

### ***Symposium Papers***

1. Use of carbon aerogels for heavy metals removal, Universiti Teknologi PETRONAS (**Jul 2007**).
2. Heavy metals removal using carbon aerogels, Universiti Teknologi PETRONAS (**Feb 2008**).
3. Heavy metals removal using carbon aerogels, Universiti Teknologi PETRONAS (**Jun 2008**).
4. Chromium removal using carbon aerogels, Universiti Teknologi PETRONAS (**Jan 2009**).

### ***Languages***

- Fluent Arabic
- Fluent English

### ***Skills***

- Excellent communication and team work skills.
- Well versed in all versions of Office Editions and Windows.
- Using Laboratory Equipments for Performing Research investigations and Scientific Studies.

## *References*

1. Prof. Ali A. Rabah, professor, Department of Chemical Engineering, Faculty of Engineering and Architecture, University of Khartoum.  
Mobile: +249912883212.
2. AP. Dr. Sumya Abdelmoneim Mohamed, Associate Professor, Department of Transportation & Refining Engineering, College of Petroleum Engineering and Technology, Sudan University of Science and Technology.  
Mobile: +249117205716.
3. Prof. Azmi Mohd Shariff, Department of Chemical Engineering,, Universiti Teknologi PETRONAS.  
Tel: +605-3687570.

**Declaration:** I hereby declare that the above written particulars are true to the best of my knowledge and belief.

*Dhallia Mamoun Beshir*