

AMEER BADR KHUDHAIR



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I'M A LECTURER IN CIVIL ENGINEERING DEPARTMENT/ AL-MANSUR UNIVERSITY COLLEGE, I'M TEACHING SANITARY AND ENVIRONMENTAL ENGINEERING. I'M SUPERVISING UNDERGRADUATE STUDENTS TO FULFILL THEIR PROJECTS IN WATER, SEWAGE AND ENVIRONMENTAL SUBJECTS. I'M DOING RESEARCHES ABOUT WATER TREATMENT BY PHYSICAL, CHEMICAL AND BIOLOGICAL TREATMENT. I HAVE PRACTICAL AND THEORETICAL EXPERIENCE AND KNOWLEDGE IN WATER/ SEWAGE TREATMENT PLANTS.

EXPERIENCE

OCTOBER 2015- UNTIL NOW

LECTURER, AL-MANSOUR UNIVERSITY COLLEGE/ IRAQ

Teach the following courses for undergraduate students: Fluid mechanics, water resources, Sanitary and Environmental Engineering. Supervise undergraduate students for their final projects. Member in Scientific Committee of civil Engineering department.

APRIL 2015 – SEPTEMBER 2015

ENGINEER, PRIVATE CONSTRUCTION COMPANY/ IRAQ.

OCTOBER 2014- DECEMBER 2014

RESEARCHER, INSTITUTE OF ENVIRONMENTAL & WATER RESOURCE MANAGEMENT, UNIVERSITY TECHNOLOGY MALAYSIA/ MALAYSIA

2011- 2013

TEACHING ASSISTANT, FACULTY OF CIVIL ENGINEERING, UNIVERSITY TECHNOLOGY MALAYSIA/ MALAYSIA.

Teach Sanitary engineering laboratory for undergraduate students.

FEBRUARY 2010 – NOVEMBER 2010

CONSULTANT, ICG COMPANY/ IRAQ.

Work in private company to construct a waste water treatment plant in Karbala.

2007 - 2009

TEACHING ASSISTANT, CIVIL ENGINEERING DEPARTMENT, JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY/ JORDAN.

Teach the following courses for undergraduate students: Fluid mechanics, Hydraulics, Fluid mechanics and hydraulic laboratory, Sanitary engineering laboratory.

2001- 2006

ENGINEER, WATER AND SEWAGE DIRECTORY, MINISTRY OF MUNICIPALITIES AND PUBLIC WORKS/ IRAQ.

EDUCATION

OCTOBER 2014

PHD IN ENVIRONMENTAL ENGINEERING, FACULTY OF CIVIL ENGINEERING, UNIVERSITY TECHNOLOGY MALAYSIA, MALAYSIA.

Thesis title “Biodegradation of high molecular weight polycyclic aromatic hydrocarbons by isolated fungi.”

OCTOBER 2009

MASTER DEGREE IN SCIENCE IN CIVIL ENGINEERING (WATER RESOURCES AND ENVIRONMENT), GRADUATE FROM CIVIL ENGINEERING DEPARTMENT, JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, JORDAN.

Thesis title “Determination of the fraction of soil organic matter exhibiting linear sorption for the distribution reactivity model (DRM) application.”

JULY 2000

BACHELOR (SCIENCE), DEPARTMENT OF CIVIL ENGINEERING, COLLEGE OF ENGINEERING, UNIVERSITY OF BAGHDAD, IRAQ.

SKILLS

- Participate and passing a course in ISO/IEC/17025:2005, from 12/2/2017 to 16/2/2017, COSQC, Ministry of Planning, Baghdad, Iraq.
 - Participate and passing a course in Teaching Method, from 18/9/2016 to 29/9/2016, University of Technology, Baghdad, Iraq.
 - Participate in 1 Day Course on HPLC Method Development & Troubleshooting. 23rd February 2012. Ibnu Sina Institute for Fundamental Science Studies, University Technologi Malaysia, Johor, Malaysia.
 - Participate in Waste Management System at Canon Opto (M) Sdn. Bhd Kuala Lumpur. 17th February 2012. Institute of Environmental and Water Resources Management WATER Research Alliance, University Technologi Malaysia, Johor, Malaysia.
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- Participate in a workshop of Scientific Methodology and Proposal Writing. 29 June to 3 July 2008. The International Foundation of Science (IFS), Amman, Jordan.
- Cambridge International Diploma in IT Skills (Arabic). Foundation Level Certificate. August, 2008. University of Cambridge Local Examinations Syndicate, Irbid, Jordan.
- Public-private partnership in the solid waste sector, implemented by IP3 MENA, from 10 to 20th December 2005, Cairo, Egypt.

PUBLICATIONS

1. Tony Hadibarata, **Ameer Badr Khudhair**, Mohd Razman Salim (2012), Breakdown Products in the Metabolic Pathway of Anthracene Degradation by a Ligninolytic Fungus *Polyporus* sp. S133. *Water, Air, & Soil Pollution*, 223(5), 2201-2208. (Impact Factor; 1.685).
 2. Tony Hadibarata, Liyana Amalina Adnan, Abdull Rahim Mohd Yusoff, Adhi Yuniarto, Rubiyatno, Meor Mohd Fikri Ahmad Zubir, **Ameer Badr Khudhair**, Zee Chuang The and M. Abu Naser (2013), Microbial Decolorization of an Azo Dye Reactive Black 5 Using White-Rot Fungus *Pleurotus eryngii* F032, *Water, Air & Soil Pollution*, 224, 1595. (Impact Factor; 1.685)
 3. Tony Hadibarata, Zee Chuang Teh, Rubiyatno, Meor Mohd Fikri Ahmad Zubir, **Ameer Badr Khudhair**, Abdull Rahim Mohd Yusoff, Mohd Razman Salim, Topik Hidayat (2013), Identification of naphthalene metabolism by white rot fungus *Pleurotus eryngii*. *Bioprocess and Biosystems Engineering*, 36(10):1455-1461. (Impact Factor; 1.823)
 4. Kamyab, H., Lee, C. T., Din, M. F., Mohamad S. E., Mohanadoss, P, **Khudhair, A. B.** and Roudi, A. M. (2014). Biodiesel Production from Microalgae-*Chlorella Sorokoniana*. *Australian Journal of Basic and Applied Sciences*, 8(3): x-x. (ISI journal)
 5. Liyana Amalina Adnan, Abdull Rahim Mohd Yusoff, Tony Hadibarata and **Ameer Badr Khudhair**. Biodegradation of Bis-Azo Dye Reactive Black 5 by White-Rot Fungus *Trametes gibbosa* sp. WRF 3 and Its Metabolite Characterization. *Water Air Soil Pollut* (2014) 225:2119, DOI 10.1007/s11270-014-2119-2 (Impact Factor; 1.685)
 6. **Ameer Badr Khudhair**, Tony Hadibarata & Abdull Rahim Mohd Yusoff. Decolorization of reactive dyes by consortiums of bacteria and fungi. *Malaysian Journal of Civil Engineering* (2015), 27 special issue (1):185-196. (open access- Scopus)
 7. **Ameer Badr Khudhair**, Tony Hadibarata, Abdull Rahim Mohd Yusoff, Zee Chuang Teh, Liyana Amalina Adnan & Hesam Kamyab. Pyrene metabolism by new species isolated from soil *Rhizocotonia zeae* SOL3, *Water Air and Soil Pollution*, 226(186):1-8, (DOI: 10.1007/s11270-015-2432-4). (Impact Factor; 1.685).
 8. **Ameer Badr Khudhair**, Mutah Musa, Mohamad Salman Mohd Jaafar and Tony Hadibarata. Cresol red dye removal using recycled waste tire rubber, *International Journal of Engineering Research in Africa*. Vol. 16 (2015) 57-63.
 9. Tony Hadibarata, **Ameer Badr Khudhair**, Risky Ayu Kristanti, Hesam Kamyab. Biodegradation of pyrene by *Candida* sp. S1 under high salinity conditions, *Bioprocess Biosyst Eng*. DOI 10.1007/s00449-017-1798-7. Published online 13/7/2017. (Impact Factor; 1.89).
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10. **Ameer Khudhair** and Tony Hadibarata (2013). Removal of pyrene by *Candida* sp1 fungus isolated from nature. 4th International Graduate Conference on Engineering, Science and Humanities, April. Johor, Malaysia.
11. **Ameer Badr Khudhair**, Tony Hadibarata and Abdull Rahim Mohd Yusuff (2014). Decolorization of reactive dyes by consortiums of bacteria and fungi. National seminar on civil engineering research (SEPKA). April. Johor, Malaysia.
12. Hesam Kamyab, Shaza, Eva mohamad, Fadhil Md, Din, Mohamad Soltani, **Ameer Badr Khudhair**, Anita Maslahati Roudi. (2014). Enhanced Bioreactor and Ponging Configuration for the Development of Synthesized Microalgae of by-Products and Alternative Energy Raw Materials. 8th SEATUC SYMPOSIUM, March, Universiti Teknologi Malaysia, Johor, Malaysia.
13. **Ameer Badr Khudhair** and Yasser Laith Mohamed. (2016). Pollution in Tigris River and Climate change and its influence on water quantity in Iraq. Baghdad, Iraq.
14. Ahmed Mancy Mosa, **Ameer Badr Khudhair** and Mohammed Kachi Hatem. (2017). Enhancement of Subgrade Properties Using Magnesium Oxide, Baghdad, Iraq.
15. Hesam Kamyab, Mohd Fadhil Md Din, Shazwin Mat Taib, Jeng Shiun Lim, **Ameer Badr Khudhair**, Chew Tin Lee, Hashim Haslenda, Wai Shin Ho, Chin Siong Ho, Effect of Light and Carbon Source for the Production of Lipid by *Chlorella pyrenoidosa* using Agricultural Wastewater in Malaysia, Conference: The 3rd International Conference on Sustainable Solid Waste Management –ISWM-TINOS 2015, Greece, At Greece.

AWARDS, THANKS & APPRECIATION, AND PATENTS

- Patent in pending, Ref: PT/5022/UTM/14, Title: Eco-friendly Biodegradation of pyrene by *Rhizoctonia zeae* SOL3
- Three thanks and appreciation from Al-Mansour University College during my job.

