

Curriculum Vitae

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Personal Information

Dr. Fuad Ameen Saad Hasan

Ph.D. in Microbiology & Biotechnology

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Education Background

Ph.D. in Microbiology, King Saud University, Department of Botany and Microbiology,
Saudi Arabia (2015).

M.Sc. Marine biology & Microbiology, King Abdulaziz University, Saudi Arabia (2009).

B.Sc. (Marine biology & Microbiology), Basra University, Iraq (2003).

My research interests

- Natural products from Marine fungi, yeasts and its industrial applications.
- Mycotoxins production from fungi and Myco-nanotechnology.
- Bioremediation of petroleum pollution by active microorganisms.

Educational Qualification

- Completed a PhD courses and thesis at King Saud University with honors, excellent grade (**4.74 from 5**).
- Master degree of science with honors in Marine biology (Microorganisms associated with mangrove plants), with excellent grade (**4.78 from 5**) Faculty of marine science, King Abdulaziz University, Jeddah, Saudi Arabia (2009).
- B.Sc.: Department of biology, Faculty of Agriculture, Basra University, Iraq, and **Graduate student was the first in the college and department** (2003).

Experience and skills

- Worked as a lecturer assistant at Al- Hodeida University, Department of biology, faculty of marine science, Yemen (2002-2006).
- Teaching many practical courses like biology of fungi, microbiology, Algae and diatoms for 3 years.
- Got a degree 94 of 120 in the Test of English TOEFL IBT.
- Ability to speak excellent Arabic and English with very good computer skills.
- Ability to analyze biological data using SPSS and ANOVA test.
- Proficiency program to phylogenetic analyses, clean up, alignment of sequencing data with BIOEDIT, CLUSTAL x2 and MEGA 6 programs.
- Worked as a researcher in the Department of Microbiology, King Saud University and teaching many practical courses for 5 years until now.

Employee report

- Lecturer assistant at Al-Hodida University- College of science- department of biology for 3 years.
- Researcher at King Saud University-department of Botany and Microbiology for 5 years ago.

Membership of Scientific Association

- Member of American Society of Microbiology
- Member of Saudi Society of environmental science.

Technical expertise

Microbiology

- ❖ Isolation of microorganisms from different sources (natural resources, Soil, marine water, industrial products etc.).
- ❖ Morphological and biochemical characterization of microorganisms.
- ❖ Phenotypic analysis of marine strains.
- ❖ Production of mutant microorganisms for industrial purposes.
- ❖ Different cultural techniques of microorganisms.
- ❖ Production of different industrial products like antibiotics, organic acids etc.,
- ❖ Isolation and maintenance of pathogenic microorganisms from Skin, throat, faeces, urine and plants etc.,

Molecular biology

1. Extraction and purification of DNA and RNA, DNA cloning, DNA transformation in competent cells.
2. DNA amplification by PCR, gene expression quantification by using gene fusion and quantitative RT-PCR.
3. Gel Documentation and analysis
4. Gene Sequencing by Genetic Analyzer.

Other Information- Honors & Awards

- Prince Sultan international program for research scholarship, KSU, KSA.
- Participated in the European Conference of Microbiology and scientists, which was held in Leipzig, **Germany** 2013.
- Participated in the conference of American society of Microbiology which was held on New Orleans-**USA** on May 30-June 2, 2015.

Publications

- 1- Sathishkumar P, Preethi J, Vijayan, R, Yusoff, A, **Fuad Ameen**, Suresh S, Balagurunathan R, Palvannan T. (2016). Anti-acne, anti-dandruff and anti-breast cancer efficacy of green synthesised silver nanoparticles using *Coriandrum sativum* leaf extract. Journal of Photochemistry & Photobiology, B: Biology 163 (2016) 69–76.
- 2- Adnan L., Sathishkumar P., Yusoff, A., Hadibarata, T. and **Fuad Ameen** (2016). Rapid bioremediation of Alizarin Red S and Quinizarine Green SS dyes using *Trichoderma lixii* F21 mediated by biosorption and enzymatic processes. Bioprocess and Biosystems Engineering. DOI 10.1007/s00449-016-1677-7.
- 3- Jasni, M., Sathishkumar, P., Sornambikai, S., Yusoff, A., **Fuad Ameen**, Buang, N., Abdul Kadir, M., Yusop, Z. (2016). Fabrication, characterization and application of laccase–nylon 6, 6/Fe³⁺ composite nanofibrous membrane for 3,3-dimethoxybenzidine detoxification. Bioprocess and Biosystems Engineering. DOI 10.1007/s00449-016-1686-6.
- 4- Gashgari, R., Gherbawy, Y., **Fuad Ameen** and Alsharari S. (2016). Molecular characterization and analysis of antimicrobial activity of endophytic fungi from medicinal plants in Saudi Arabia. Jundishapur Journal of Microbiology. Doi: 10.5812/jjm.26157.
- 5- **Fuad Ameen**, M. Moslem and S. Hadi (2015) Biodegradation of diesel fuel hydrocarbons by mangrove fungi from Red Sea Coast of Saudi Arabia. *Saudi Journal of biological science*. Doi: [http://dx.doi.org/ 10.1016/j.sjbs.2015.04.005](http://dx.doi.org/10.1016/j.sjbs.2015.04.005).
- 6- **Fuad Ameen**, S. Hadi, M. Moslem, A. Elsabri (2015). Biodegradation of engine oil by fungi from mangrove habitat. Journal of general & applied Microbiology. Doi 10.2323/jgam.61.185.
- 7- **Fuad Ameen**, M. Moslem and S. Hadi (2015). Biodegradation of Low Density Polyethylene (LDPE) by Mangrove Fungi from the Red Sea Coast. *J. Prog. Rubber. Plast. Re.* 31(2): 125-143.
- 8- K. S. Al-Niaeem, **Fuad Ameen**, A. Hatamlah and M. Bakry (2015). Isolation and identification of Pathogenic Fungi on *Oreochromis aureus* in the University of Basrah fish ponds. Indian journal of Geo-marine science. 44(8), 1213-1216.
- 9- **F. Ameen**, M. Moslem, S. Hadi and A. El-Sabri (2014). Biodegradation of cellulosic materials by mangrove fungi from south Corniche of Jeddah, Saudi Arabia. . *J pure Appl Microbiol.* 8(5): 3617-3626.

- 10- A. El-Sabri, M. Moslem, S. Hadi and **F. Ameen** (2014). Antifungal activity of *Commiphora myrrha* against airborne fungi. *J pure Appl Microbiol.* 8(5): 3260-3269.
- 11- A. El-Sabri, M. Moslem, S. Al-Sohibani and **F. Ameen** (2014). Biosorption of Copper using the Fungus *Aspergillus niger* Isolated from Contaminated Soil. *J pure Appl Microbiol.* 8(2): 173-177.
- 12- **F. Ameen**, M. Moslem and S. Hadi (2014). Biodegradation of petroleum oil by mangrove fungi from Saudi Red Sea Coast. *Res. J. Biotech.* 10(4): 75-83.