

Curriculum Vitae

Dr.Huda Ahmed ALghamdi

PERSONAL DATA

Name: Dr. Huda Ahmed ALghamdi

Present Position: Assistant Professor

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Google Scholar:

<https://scholar.google.com/citations?hl=ar&pli=1&user=8Ng1DmEAAAAJ>

CAREER OBJECTIVE

An PhD qualified in Applied microbiology, good skills in the field of human development, training and coaching, Certified trainer in the general organization for vocational and technical training. In addition to British International Development Leadership Academy. I am Seeking to achieve actively contribute community development and create sophisticated environmental education.

EDUCATION

- **PhD:** School of Life Sciences, Heriot Watt University, Edinburgh, United Kingdom, December 2016

Thesis Title: Antifungal activity of cowpea proteins: Efficacy, shelf life extension and sensory effects in bread

- Supervisors: Dr Lydia Campbell and Professor Stephen Euston

- **MSc:** School of life Sciences, Heriot Watt University, Edinburgh, United Kingdom, September 2010

Thesis Title: A comparison of diagnostic techniques for *clostridium botulinum* and *clostridium perfringens* and their toxins.

- Supervisor: Professor Wilf Metchel

- **BSc:** Department of Biology, Bachelor in Science and Education, Major. Biology , Jeddah, Saudi Arabia.

TEACHING EXPERIENCE

- **Assistant Professor:** Department of Biology, Faculty of Sciences, King Khalid University, Abha, Saudi Arabia (2016-to date).
- **Assistant Professor:** Department of Biology, Faculty of Sciences, Jazan University, Jazan, Saudi Arabia (2017-2018).
- **Teacher:** Ministry of Education, high school, Jeddah, Saudi Arabia (2005-2007).

COURSES TAUGHT

BSc Courses:

- Bacteriology (Theoretical& Practical)
- Phycology (Theoretical & Practical)
- Mycology and plant pathology(Theoretical & Practical)
- Graduation Project (**6 times**)
- Health Culture

- Microbiology & Virology (Theoretical & Practical)

FIELD OF RESEARCH

Applied Microbiology

RESEARCH INTERESTS

- General microbiology
- Applied Microbiology
- Food Microbiology
- Microbial Toxins
- Food Toxins and Cancer
- Molecular Dynamic Simulation
- Natural Products with Biological Activity

INTERNAL EXAMINER

- Effect of Elevation on Biological Activity of *Juniperus procera* Hochst .ex Endlicher population Grown in Al Soda Mountains, Saudi Arabia, By Ashwag Hassan .(2018)
- Isolation and Molecular Identification of Hydrocarbon Degrading Bacteria from Oil-Contaminated soil In Saudi Arabia By abd Alkhilk. (2018)
- Production of Silver Bionanoparticles By Fungi and Studying Their Physical and Biological Characteristics By Mohammed AlGhatani (2019)

TRAINING WORKSHOPS

- UNIX system, Mind maps, image analyzer program, Edinburgh, UK 2013
- Development of academic skills (academic writing, preparation for VIVA,IT toolkit ,project management and publishing skills) Edinburgh, UK 2012
- Basic work skills, 4 hours 2017
- Self-Empowerment, 3 hours 2017
- Communication Skills at Work, 4 hours 2017
- Mixed Work Environment Ethic, 1hour 2017
- Coaching in the workplace, 40 hours 2017
- Work Smarter not Harder, 2 hours 2017
- Fundamental of Management, 3 hours 2017
- Leadership Essential, 3 hours 2017
- Create an effective network, 3 hours 2017
- Presentation Skills, 3 hours 2017
- Problem solving in the Workplace, 4 hours 2017
- Creative thinking in the Workplace, 3 hours, 2017
- Innovation in Government Work 15 hours, 2017
- Training program in E-learning practitioner (course building, student assessment, enhanced communication and interaction and virtual classes) 8 weeks 2017
- Modern education strategies 10 hours, 2017
- Developing creativity in education environment 1 hours 2016
- Training of Trainers TOT 120 hours 2018
- Professional trainer in multiple intelligence 40 hours 2017
- Emotional intelligence 4 weeks, 2017
- Introduction to ProQuset E book central 1hours, 2017
- Introduction to Jove central 1 hour, 2017
- Identify training needs 3 days, 2017
- Art of influence 10 hours, 2018
- Google Apps for education 8 weeks, 2018
- Growth mindset 10 hours, 2018
- General business administration diploma 60 hours, 2018
- Organization growth 4 hours, 2018
- Decision making skills 4 hours, 2018
- Ethical leadership 3 hours, 2018

- Operational planning strategies, **SWOT** model 4 hours, 2018
- Strategic planning, **Pfeffer** model 4 hours, 2018
- Writing and publishing skills 4 hours, 2018
- Description of courses 2 days 2018
- Chang management 4 hours, 2018
- Productive Leadership 5 hours, 2018
- Blackboard Collaborate program 10 dyes ,2018
- Field Training Program 5 hours, 2018
- Emotional intelligence 10 hours , 2019
- Academic Accreditation 5 hours , 2019
- Comprehensive Strategic Planning 10 hours , 2019
- Research Ethics 16 hours by AAAS , 2019
- Training of Trainers TOT 40 hours , 2019
- Types of Research Papers 3 hours , 2019

PROFESSIONAL ACTIVITIES

- Member of the Training Committee: Department of Biology, Jazan University, Jazan , Saudi Arabia (2017-2018).
- Member of the Academic affairs Committee: Department of Biology, Jazan University, Jazan , Saudi Arabia (2017-2018).
- Member of Curriculum, Plane and courses Committee, Department of Biology, Jazan University, Jazan , Saudi Arabia (2017-2018).
- Member of the scholarship Committee, Department of Biology, Jazan University, Jazan , Saudi Arabia (2017-2018).
- Vice president of Tests Committee of college of sciences, King Khalid University, Abha, Saudi Arabia (2016-2017).
- Member of Academic Affairs Committee, Department of Biology, King Khalid University, Abha, Saudi Arabia (2016-2017).
- Member of the Scientific Affairs Committee, Department of Biology, King Khalid

- University, Abha, Saudi Arabia (2018 – to date)
- Member of the Human Recourses Committee, Department of Biology, King Khalid University, Abha, Saudi Arabia (2018 – to date)
 - Member of the Scientific Research Committee, Department of Biology, King Khalid University, Abha, Saudi Arabia (2018 – to date)
 - Member of the Academic Affairs Committee, Department of Biology, King Khalid University, Abha, Saudi Arabia (2018 – to date)
 - Member of the Academic Affairs Committee, College of Science, King Khalid University, Abha, Saudi Arabia (2018 – to date)
 - Member of the Community Service Committee, Department of Biology, King Khalid University, Abha, Saudi Arabia (2018 – to date)
 - Member of the Scientific Research Committee, College of Science, King Khalid University, Abha, Saudi Arabia (2019 – to date)

PROFESSIONAL SOCIETY MEMBERSHIP

- American Society for Microbiology, ASM
- International Society for Microbial Ecology, ISME
- Global Academy Training and Development (UK)
- Toastmasters International membership

FIELD OF TRAINING

- Certified trainer in the general organization for vocational and technical training.
- Certified certificate (developing skills of trainers) by Global development leader's academy
- Certified certificate (Training of Trainers TOT) by Boston International Training University
- Certified certificate (Training of Trainers TOT) by Excellence International Academy Training & Consultation
- Practice License by British Foundation and Granted in the field of (Training of Trainers TOT)
- Practice License by British foundation and Granted as a professional trainer in multiple intelligence
- Certified certificate (Training of Trainers TOT) by Global Academy for Training and Development UK .

PERSONAL SKILLS

- Personal Development
- Communication skills
- Presentation skills
- Teamwork skills (coordinating with others)
- Analytical and problem solving skills
- Personal management skills
- Leadership/ management skills
- Planning & Organization skills
- Critical Thinking
- Creativity skills
- Cognitive Flexibility

COMMUNITY SERVICE

1. Self-Development, Strategies and Rules, Training course, Jazan , Saudi Arabia Jazan University (2017)
2. Strategies of uniqueness and self-building, Training Course 3hours, Abha, Saudi Arabia, king Khalid University (2018) (Tow Times)
3. Effective studying, Foundation and modern skills, Workshop.2 hours, Abha, Saudi Arabia, king Khalid University (2018)
4. Change Management Strategy, Training Course ,2 hours, Abha, Saudi Arabia King Khalid University (2018)
5. Antibiotic Awareness, Safety and Quality, Workshop.2 hours, Abha, Saudi Arabia King Khalid University (2018)
6. Academic Writing Skills and Preparation of Scientific Research. Training Course 4 hours, Abha, Saudi Arabia King Khalid University (2019)
7. The Research Paradigm & Methodology . Training Course 3 hours, Abha, Saudi Arabia King Khalid University ,Scientific Research Deanship (2019)
8. Key Concept In Research Ethics Workshop, Abha, Saudi Arabia, king Khalid University (2019)

SCIENTIFIC PARTICIPATION

1. Poster presentation at 13thAnnual Scientific Research day for the college of science, King Khalid University, Abha, Saudi Arabia (2018)
2. Presentation (talk) at the scientific Research for the college of science, Heriot watt University, Edinburgh, United Kingdom (2014)

Research Projects Funded By King Khalid University (KKU)

- **Biological Control by Nano Application.**

Grant no: R.G.P.1/78/40. **Funding Agency:** Deanship of Scientific Research (DSR) of King Khalid University (KKU), Saudi Arabia.

- **Sustainable Waste –to –Energy Technologies ; Current Challenges and Future Perspectives.**

Grant no: R.G.P.2 /49 /40. **Funding Agency:** Deanship of Scientific Research (DSR) of King Khalid University (KKU) , Saudi Arabia.

PUBLICATIONS

1. **Huda A. Alghamdi** ,Lydia J. Campbell and Stephen R.. Euston (2019). Molecular Dynamic Simulation of the Adsorption of Mung Bean Defensin to a Phospholipid Bilayer. *Food Structure*.
2. Abdel-Raheem ,M.A., **Huda A. Alghamdi** and Naglaa Fathy Reyad .(2019) .Bio Efficacy of Entomopathogenic Fungi as fungal Spores and Silver Nano Partical on the red palm weevil,*Rhynchophorus ferrugineus* Olivier (Coleoptera:Curculionidae). *Tropical Journal of Pharmaceutical Research*. (Submitted)(IF 0.7)
3. Gehan Othman, Dalia Abd El Moneam, **Huda Alghamdi** and Asmaa Mahmoud Radwan (2018) , Antifungal Activity of *Syzygium aromatic* (Dianthus) Against Toxicogenic *Rhizopus stolonifer* and its Immunomodulatory Effect Against Aflatoxin-Fed mice. *Tropical Journal of Pharmaceutical Research* 17(10).(IF 0.7)
4. Gehan Othman, **Huda Alghamdi** , Dalia Abd El Moneam, and Asmaa Mahmoud Radwan.(2018) . Antifungal potency of *Nigella sativa* seeds extract against *Rhizopus stolonifera* and their effect on the regulation of the immune response in aflatoxin-fed mice. *Pakistan Journal of Pharmaceutical Sciences* (Accepted)
5. **Huda A. Alghamdi** and Majed Shtaiwi: Identification of cowpea protein isolate using sodium dodecyl sulfate polyacrylamide gel electrophoresis (SDS-PAGE) and LC.MSMS. *Biochemistry and Biophysics Reports* (2018) (Submitted)
6. Asmaa Mahmoud Radwan, **Huda Alghamdi** and Sahar K..M.Kenawy (2018). Effect of climatic factors on the chemical constituency of *Calotropis procera*, and the effect

of its extract on plant germination and the growth of pathogenic microorganisms
. *Annals of agricultural Sciences* (**Submitted**)

7. Dalia Abd El Moneam ., **Huda Alghamdi** and Gehan Othman,(2019) .
Antimicrobial Activity of Some Plants Extract Against *E coli* , *Tropical Journal of
Pharmaceutical Research*. (**Submitted**) (*IF 0.7*)
8. **Huda Alghamdi**: Evaluation of Antimicrobial effect and composition profile of
different type of grape pomace extract. (**Preprint**)
9. **Huda Alghamdi**, Lydia Campbell and Stephen Euston : Mechanism of antifungal
action of cowpea protein CPI and computer modeling (**Preprint**)
10. **Huda Alghamdi** , Lydia Campbell and Stephen Euston : Antifungal activity of cowpea
seeds proteins(CPI) against known bread spoilage molds (**Preprint**)

Books

1. Mohamed Abdel-Raheem ., **Huda A,Alghamdi** and Naglaa Reyad
.(2018).**Botanical Pesticide and Insect Pests** , .ISBN :978-613-9-99053-5 (184
Pages)