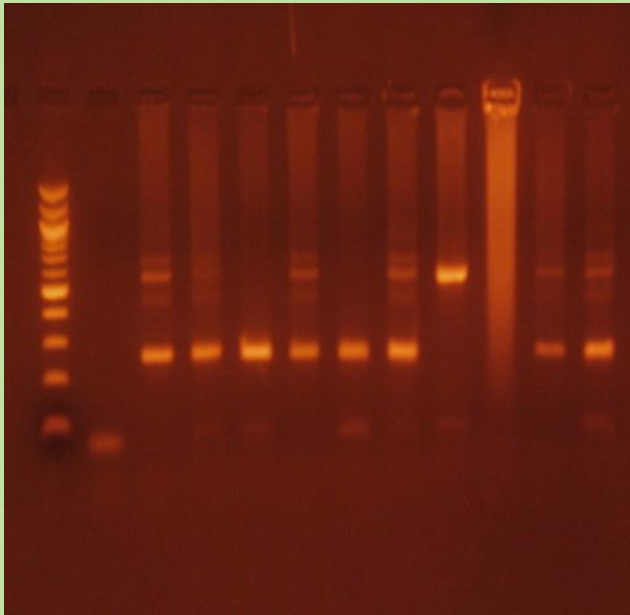


The **vision** of the Department is leadership and excellence in the provision of quality programs in the fields of basic and applied biological sciences that will be recognized by an international accreditation body, through the introduction of curricula capable of producing graduates who are capable of competing at the regional and international level.



“DNA was the first three-dimensional Xerox machine”

Kenneth Ewart Boulding

Department's Mission:

Advancing the academic level and scientific research, in an environment conducive to creativity, innovation and leadership

For more information about the degree plan, research, facilities or to request a copy of our student guide, please visit our website at <https://hu.edu.jo/fac/dept/Default.aspx>

Facilities

- Microscopy unit
- Animal house
- Herbarium
- Greenhouse

Department Information

Phone: +962(5)390333-4187

Fax: +962(5)3903349

E-mail: bio@hu.edu.jo

P.O. Box 330127, Zarqa 13133, Jordan



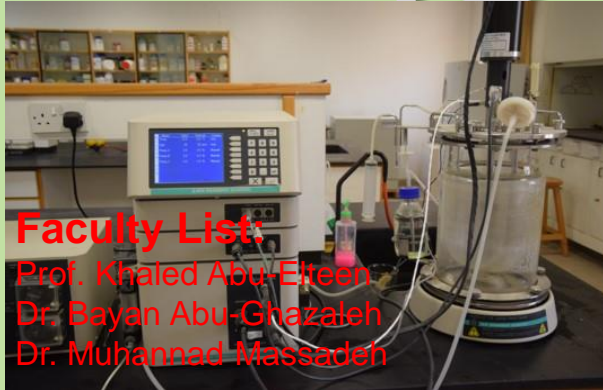
Faculty of Science Department of Biology and Biotechnology

• Biotechnology



Applied Microbiology

Studying anti-microbial agents, bioenergy and fermentation technology



Faculty List:

Prof. Khaled Abu-Elteen
Dr. Bayan Abu-Ghazaleh
Dr. Muhannad Massadeh

Applied Animal Physiology and Developmental Biology

Studying the antinociceptive and analgesic effects of plants, and molecular causes of male infertility



Faculty List:

Dr. Esam Onais
Dr. Lubna Tahtamouni
Dr. Moh'd Wedyan

Applied Plant Physiology and Developmental Biology

Understanding population plant biology, plant genetics diversity, environmental stress physiology of plants



Faculty List:

Dr. Moh'd Abu-Dieyeh
Dr. Abdullatif Al-Ghazawi
Dr. Emad Bsoul

Gene Expression

Studying biological processes from DNA to RNA to proteins using state-of-the-art techniques



Faculty List:

Dr. Lubna Tahtamouni
Dr. Rana Dajani
Dr. Seba Shbialat

Cell and Molecular Biology

Focuses on cyto- and genotoxicity of plants, cancer research, gene polymorphism, cell signaling and evolution of embryos

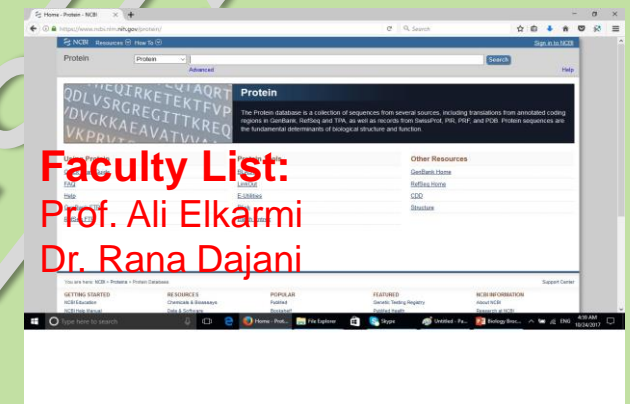


Faculty List:

Dr. Salim Abderrahman
Dr. Salem Al-Maloul
Dr. Lubna Tahtamouni
Dr. Rana Dajani
Dr. Seba Shbialat

Mathematical and Computational Biotechnology

Focuses on allometric analysis, modeling, experimental design, and using online databases to understand biological process



Faculty List:

Prof. Ali Elkarmi
Dr. Rana Dajani