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.

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

“DNA was the first three-dimensional Xerox machine”

Kenneth Ewart Boulding

Faculty of Science
Department of Biology and Biotechnology

• Biotechnology
Applied Microbiology
Studying anti-microbial agents, bioenergy and fermentation technology

Faculty List:
Prof. Khaled Abu-Eltein
Dr. Bayan Abu-Ghazaleh
Dr. Muhannad Massaden

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

Applied Animal Physiology and Developmental Biology
Studying the antinociceptive and analgesic effects of plants, and molecular causes of male infertility

Faculty List:
Dr. Evam Ghale
Dr. Lubna Tahtamouni
Dr. Moh’d Wedyan

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

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-Ghzawi
Dr. Emad Bsoul

Mathmatical 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