

Curriculum Vitae

د. ختام حمزه الطوالبه

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Education

Ph.D. of Science curriculum and Teaching Methods at Yarmouk University- 2020

Master Degree of Applied Biology at JUST-2004

Bachelor Degree of Applied Biology at JUST-1996

Qualifications

I am a doctor of science curriculum and teaching methods, obtained a PhD from Yarmouk University in July 2020. I have gained great experience in teaching in English for more than 15 years during my work at Jordan University of Science and Technology (part-timer), at King Saud Bin Abdulaziz University for Health Sciences/Riyadh (lecturer), Jordan University (part-timer) and Al-Balqa'a Applied University (part-timer). Currently I am assistant professor at Islamic University of Minnesota.

I am **Certified International Professional Trainer from International college in London**. I have been developing my interpersonal skills in curriculum development, scientific research, presentation, communication, need-assessment, team work, attending many workshops and training short courses in teaching skills and personal development, such as Students Evaluation and MCQs testing, PBL, students Motivation and Quality Assurance in Higher Education. Good knowledge in computer skills that are commonly used for teaching and research, good knowledge in SPSS. High score in English test (IELTS 5.5, and national English test 91%). Moreover I have excellent experience in teaching Online.

I have been conducting research in science Education (teaching and learning), teaching strategies. I have excellent experience in reviewing Arabic and English articles in Scopus journals, and have been publishing research results in excellent national and international journals.

Teaching experience

- **Currently Assistant Professor at Islamic University of Minnesota**
- **Vise chair-assistant of educational sciences department**
- **Currently Lecturer at Al-Balqa Applied University since four years**
- **Part time Assistant Professor at Jadara University**
- **Part time-lecturer at Ajloun National University**

- **Assistant professor at Irbid National University**
- Lecturer at University of Jordan for one semester.
- Biology and biochemistry lecturer at KSAU-HS/Riyadh 2013-2018
- Biology lab lecturer and instructor at JUST 6 years
- Biology lab teaching assistant at JUST 2001-2003
- Lab technician at Qudah Consulting Laboratories 2004-2006
- Microbiology lecturer at Ghurnata college 2005-2006
- Member in editorial board in **The International Journal of Educational Technology and Instruction** ()
- Editorial Board Member in **Journal of Social Education Research**. ISSN: 2717-5723

Courses Taught

- General Biology
- Biochemistry
- Research methodology
- Biostatistics
- Endocrine
- Microbiology
- Physiology
- Anatomy

Training workshops

- Academic practice course at universities and colleges at Yarmouk University (30 hrs.)
- Problem Based learning workshop/ King Saud bin AbdulAziz university for Health Sciences (KSAU-HS)
- Teaching strategies
- Attend and deliver High Quality MCQs workshop at (KSAU-HS)
- Designing a course and Preparing a Syllabus based on NCAAA Guidelines workshop at KSAU-HS
- SPSS workshop
- Teaching Communication skills workshop at KSAU-HS Research day and workshops at KSAU-HS
- Research day and workshops at KSAU-HS
- Faculty needs assessment workshop at KSAU-HS
- Emerald guide to getting published workshop at Yarmouk University
- Many online workshops related to education
- STEM CELLS IN SCIENCE & MEDICINE conference at KSAU-2014

Conferences

- مؤتمر التربية والتعليم العالي في الوطن العربي مشكلات وحلول -2 2019 نيسان 4-2 جامعة اليرموك-كلية التربية

- مؤتمر الدولي الثاني المحكم لكلية العلوم التربوية: التعلم والتعليم والتطلع نحو المستقبل (المتطلبات ، الفرص ، التحديات) جامعة إربد الأهلية – الأردن 2022/5/31-2022/6/2
- رؤية مستقبلية في التعليم والموارد البشرية. اربد المركز الثقافي. 16-18 نيسان. 2024.
- Yarmouk University 14th Scientific conference. Education and Sustainable Development: Leadership and innovation, 2022, Jordan, Irbid.
- Fourth International Conference on Smart Learning (ICSL2022). E-learning at Higher Education in Jordan: Systematic Review and meta-analysis. Philadelphia University, Jordan, 26-27 October 2022.

Publications

- 1- ختام حمزة الطوالبه، عبدالله محمد خطاييه، & ادريس فالح المومني. (2023). أثر التدريس باستخدام نموذج بيركنز *Humanities and Social Sciences Series*. (8)37، ، <http://dx.doi.org/10.35682/1999>
- 2- Tawalbeh, H., & Altawalbeh, K. (2022). The Degree of Including the Concepts of Healthy Citizenship in the Social and National Education Textbooks and the National and Civic Education Textbooks for the Level of Basic Education in Jordan. *Jordan Journal of Educational Sciences*, 18(4), 717-733. DOI:
- 3- Altawalbeh, K., & Tawalbeh, H. . (2025). Science Curriculum Analysis in Terms of Sustainable Development Goals in Jordan. *Journal of Education for Sustainable Development Studies*, 2(1), 53-70. <https://doi.org/10.70232/jesds.v2i1.25>
- 4- Diagnostic Instruments for Addressing Chemistry Misconceptions among Undergraduate: A Systematic Review. Submitted to *Turkish Journal of Science Education(TUSED)*, **under review**
- 5- Altawalbeh, K. & Al-Ajlouni, A. (2022). The impact of distance learning on science education during the pandemic. *International Journal of Technology in Education (IJTE)*, 5(1), 43-66.
- 6- Altawalbeh, K., Zyoud, O., & Alomari, F. (2022, May 10-12). 14th Scientific conference. Education and Sustainable Development: Leadership and innovation, 2022, Jordan, Irbid.
- 7- Altawalbeh, K., Irwanto, I. (2023). Game-based learning: The impact of Kahoot on a higher education online classroom. *Journal of Educational Technology and Instruction*, 2(1), 30-49.

9- Comparison of the Photosensitivity of Biofilms of Different Genera of Cariogenic Bacteria in Tooth Slices Polish Journal of Microbiology, 2018 Dec; 67(4): 455–461. Published online 2018 Dec 10. doi: 10.21307/pjm-2018-053

10- The Impact of Covid-19 Pandemic on Learning Process at Schools in Jordan: Students' Perspectives. **Under review**

11- ورقة بحثية مقدمة ومنشورة في مؤتمر التربية والتعليم العالي في الوطن العربي مشكلات وحلول، جامعة اليرموك 2-4 نيسان 2019، 263-274

12- الطوالب، ختام، خطاييه، عبدالله، المومني، & إدريس. (2020). أثر استخدام استراتيجية بوسنر في تعديل الفهم الخطأ في الكيمياء لدى طالبات الصف العاشر في الأردن. *Dirasat: Educational Sciences*، 47(4)، 452-465.

13- أثر نموذج بيركنز وبلايث في تعديل الفهم الخطأ في الكيمياء وتنمية مهارات التفكير لدى طالبات الصف العاشر في الأردن