



Sondos Musleh

Assistant Professor

Sondos Musleh is an assistant professor at the Department of Medicinal Chemistry and Pharmacognosy, Faculty of Pharmacy, Jordan University of Science and Technology (JUST). She received her Ph.D. in 2024 from the University of Manchester and her B.Sc. in Pharmacy and M.Sc. Degree in Medicinal Chemistry and Pharmacognosy from JUST in 2016 and 2019 respectively. Dr. Musleh research interest is in the area of computer-aided drug design

Experience

- **Jordan University of Science and Technology**
Assistant professor | 2024 - Present
- **Jordan University of Science and Technology**
Teaching assistant | 2017 - 2019
- **Jordan University of Science and Technology**
Research assistant | 2016 - 2017

Education

- **PhD in pharmacy and pharmaceutical science**
University of Manchester, Manchester | 2020 - 2024
- **MSc in Medicinal chemistry and pharmacognosy**
Jordan University of Science and Technology, Irbid | 2017 - 2019
GPA: 3.85
- **BSc in Pharmacy**
Jordan University of Science and Technology, Irbid | 2011 - 2016
GPA: 92.2%

Achievements

The Academic Excellence Scholarship for Higher Education (Ph.D.)
2020-2024

The Academic Excellence Scholarship for Higher Education (M.Sc.)
2017-2019

The president's honor list

Received 9 times between 2011-2016, Faculty of Pharmacy, Jordan University of Science and Technology

The dean's honor list

Received 10 times between 2011-2016, Faculty of Pharmacy, Jordan University of Science and Technology

Publications

Publication type (Journal/article/book)

IDENTIFICATION OF CHK1 KINASE INHIBITORS USING STRUCTURE BASED PHARMACOPHORE MODELLING AND MOLECULAR DOCKING

Nizar A. Al-Shar'i and Sondos Musleh | 2020

Indian Journal of Pharmaceutical Sciences. (2020), volume 82 (3), pp 472-482.
<https://doi.org/10.36468/pharmaceutical-sciences.670>.

Publication type (Journal/article/book)

CHK1 KINASE INHIBITION: IDENTIFICATION OF ALLOSTERIC HITS USING MD SIMULATIONS, PHARMACOPHORE MODELING, DOCKING AND MM-PBSA CALCULATIONS'

Nizar A. Al-Shar'i and Sondos Musleh | 2021

Molecular Diversity. (2021), volume 26 (2), pp 903-921.
<https://doi.org/10.1007/s11030-021-10202-w>.

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Publication type (Journal/article/book)

**ANALYSIS OF GLYCAN RECOGNITION BY CONCAVALIN A USING
ABSOLUTE BINDING FREE ENERGY CALCULATIONS**

Sondos Musleh, Irfan Alibay, Philip C. Biggin, Richard A Bryce | 2024

Journal of Chemical Information and Modeling 64(20), DOI: 10.1021/acs.jcim.4c01088

Publication type (Journal/article/book)

**VIRTUAL SCREENING-LED DESIGN OF INHIBITOR SCAFFOLDS FOR THE
NLRP3 INFLAMMASOME**

Sherihan El-Sayed, Emily McMahon, Sondos Musleh, Sally Freeman, David Brough, Paul R.

Kasher, Richard A Bryce | 2024

Bioorganic Chemistry 153(7):107909, DOI: 10.1016/j.bioorg.2024.107909

References

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