

Asmaa Mohammed Mohammed Akar

Teaching Assistant – Department of Pharmacognosy

Faculty of Pharmacy, Tanta University, Egypt

2021–Present

Education

* M.Sc. Researcher in Pharmacognosy, Faculty of Pharmacy, Tanta University.

* Research focus: Optimization of phenolic extraction from Egyptian gymnosperms.

Research Interests

* Pharmacognosy & Phytochemistry

* Phenolic compounds and flavonoids

* Green extraction techniques

* Extraction optimization using Response Surface Methodology (RSM)

* Isolation and identification of bioactive compounds

* Antioxidant, antibacterial, cytotoxic and in vivo biological studies

Research Skills

* Maceration, Soxhlet, UAE and MAE

* RSM and Box–Behnken experimental design

* Phytochemical screening and compound isolation

* DPPH antioxidant assay

* Biological activity evaluation

* Scientific data analysis and interpretation

* Scientific writing and literature review

Publication

“Optimization of phenolics extraction and isolation from gymnosperms growing in Egypt using response surface methodology: *Dioon edule* Lindl leaves as a case study.”

RSC Advances.

Software Skills

- * Microsoft Word
- * Microsoft Excel
- * Microsoft PowerPoint
- * GraphPad Prism
- * EndNote

Languages

- * Arabic: Native
- * English: Intermediate