

# MS

## MOHAMED SAYED

LECTURER OF PHARMACEUTICS

### CONTACT

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### WORK EXPERIENCE

#### FACULTY OF PHARMACY, MINIA UNIVERSITY JULY 2023 • TILL NOW

- Lecturer of Pharmaceutics.
- Created presentations to deliver lecture material in the classroom and online learning environments.
- Selected innovative teaching methods to deliver course content.
- Supervised student projects, facilitating progress and encouraging deeper learning through application.
- Held regular student meetings to communicate strengths, weaknesses, and areas for learning development.
- Designed, planned, and taught lectures based on curriculum requirements and exams.
- Provided ongoing and proactive support to students and staff requiring extra assistance.
- Taught lectures and seminars in Pharmaceutics.

#### FACULTY OF PHARMACY, MINIA UNIVERSITY NOV 2019 • JUN 2023

- Assistant Lecturer.
- Significantly reduced teachers' workload by helping to plan and deliver classroom activities.
- Assisted in the planning and development of teaching materials, workbooks, and class projects.
- Delivered tailored in-class support by differentiating activities to mixed abilities.
- Coordinated safe and successful laboratory experiments designed to test theories proposed in classes.
- Promoted topic discussion and independent investigation to heighten student engagement.
- Created challenging assignments, projects, and lessons designed to produce well-informed students.

#### FACULTY OF PHARMACY, MINIA UNIVERSITY JAN 2016 • OCT 2019

- Demonstrator.
- Devised curriculum plans to achieve department exam targets.
- Created challenging assignments, projects, and lessons designed to produce well-informed students.
- Encouraged students to ask challenging questions and thoroughly examine subject material.
- Authored scholarly papers and defended positions to add to the collective base of field knowledge.

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## ADDITIONAL SKILLS

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- Seminar management
- Curriculum development
- Student support
- Class management
- Teaching material development
- In-class lectures
- Homework planning
- Assignment grading
- Lecture planning
- Tutorial planning
- Academic publication
- Online class discussion
- Student performance evaluation
- Proposal development
- Research papers
- Academic advisement
- Course material preparation
- Journal publication procedures
- Discussion facilitation
- Proofreading and editing
- Classroom management
- Grant proposal writing
- Syllabus development
- Literature analysis

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- Prepared polished lectures discussing course-specific topics and broader related issues.
  - Distributed research findings to external bodies for the broadened project scope.

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## EDUCATION

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### FACULTY OF PHARMACY, MINIA UNIVERSITY • JUN 2023 • TILL NOW

- Ph.D. holder.

### FACULTY OF PHARMACY, MINIA UNIVERSITY AUG 2020 • JUN 2023

- Ph.D. Candidate.
- Coursework in Pharmaceutics.
- Dissertation on the impact of anti-PEG antibodies induced by PEG-containing cosmetics on the efficacy of various vaccination models.

### FACULTY OF BIOMEDICAL SCIENCES, TOKUSHIMA UNIVERSITY, JAPAN • SEP 2021 • SEP 2022

- Ph.D. Candidate.
- Coursework in Pharmaceutics.
- Dissertation on the impact of anti-PEG antibodies induced by PEG-containing cosmetics on the efficacy of various vaccination models.

### FACULTY OF PHARMACY, MINIA UNIVERSITY • AUG 2016 • OCT 2019

- Master Candidate.
- Coursework in Pharmaceutics.
- Dissertation on Gastro-retentive oral drug delivery systems as a promising approach for narrow absorption window drugs.

### FACULTY OF PHARMACY, MINIA UNIVERSITY • SEP 2009 • MAY 2014

- Bachelor of Pharmaceutical Sciences.
- Coursework in Pharmacy.

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## LANGUAGES

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Arabic – native, English – C1

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## RESEARCH PUBLICATIONS

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- 1- Development of quercetin-loaded liposomal nanocarriers for alleviation of gemcitabine-induced hepatotoxicity: Optimization, in-vitro, and in-vivo evaluation. (**Journal of Drug Delivery Science and Technology, 2025**) [IF= 4.5].
- 2- Breast cancer epidemiology, diagnostic barriers, and contemporary trends in breast nanotheranostics and mechanisms of targeting. (**Expert Opinion on Drug Delivery, 2024**) [IF= 6.6].
- 3- Impact of Anti-PEG IgM Induced via the Topical Application of a Cosmetic Product Containing PEG Derivatives on the Antitumor Effects of PEGylated Liposomal Antitumor Drug Formulations in Mice. (**Molecular Pharmaceutics, 2024**) [IF= 4.6].
- 4- Investigation of anti-PEG antibody response to PEG-containing cosmetic products in mice. (**Journal of Controlled Release, 2023**) [IF = 11.467].

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- 5- Polyethylene glycol (PEG) in mRNA-based COVID-19 vaccines: Impact, immunogenicity, and its potential role in post-vaccination induced hypersensitivity. (**Journal of advanced Biomedical and Pharmaceutical Sciences, 2023**).
  - 6- Polyethylene glycol (PEG): The nature, immunogenicity, and role in the hypersensitivity of PEGylated products. (**Journal of Controlled Release, 2023**) [IF = 11.467].
  - 7- Preformulation-assisted design and characterization of modified release gastroretentive floating extrudates towards improved bioavailability and minimized side effects of baclofen. (**Journal of Pharmaceutical Sciences, 2021**) [IF = 3.784].
  - 8- Design, characterization and in vivo evaluation of modified release baclofen floating coated beads. (**International Journal of Pharmaceutics, 2020**) [IF = 5.679].
  - 9- Gastro-retentive oral drug delivery systems: A promising approach for narrow absorption window drugs. (**Journal of advanced Biomedical and Pharmaceutical Sciences, 2019**).

## RESEARCH SKILLS

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### 1- Drug Delivery systems

Liposomes, glycosomes, niosomes, spanlastics, nanoparticles, microparticles, and gastro-retentive dosage forms.

### 2- Analytical methods

HPLC, UV-VIS spectrophotometer, western blotting, IVIS, and ELISA.

### 3- Data analysis

SPSS, GraphPad, and Image J.

## HONORS AND AWARDS

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The NAGAI Foundation Tokyo Pre-Doctoral Fellowship Grant 2022.

## REFERENCES

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**Assoc. Prof. Fatma Mady, Ph.D.**

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