



## Mai Khanfar

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**Date of birth:** 03/04/1971 | **Nationality:** Jordanian | **Phone number:**

(+962) 0799626500 (Mobile) | **Email address:** [mskhanfar@just.edu.jo](mailto:mskhanfar@just.edu.jo) | **Website:**

<https://www.just.edu.jo/eportfolio/Pages/Default.aspx?email=mskhanfar> |

**Address:** P.O.Box 3030, Jordan University of Science and Technology, 22110, Irbid, Jordan (Work)

### ● WORK EXPERIENCE

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13/09/2021 – CURRENT Irbid, Jordan

**DIRECTOR OF PHARMACEUTICAL RESEARCH CENTRE** JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

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-Studying the feasibility of clinical trials on drugs ( phase I -phase iv) for pharmaceutical companies

- Studying the feasibility for Bioequivalence and bioavailability studies in the center
- making quotations for bioequivalence studies
- Supervision the analysis for different drugs and chemicals using LC/MS/MS, GC/MS/MS and different instruments .
- Supervision the characterization of different drugs and chemicals using DSC, X-RAY and TGA
- Writing contracts with companies to control the work
- Supervision the employers of the center

01/09/2018 – 01/09/2019 Irbid, Jordan

**HEAD OF PHARMACEUTICAL TECHNOLOGY DEPARTMENT** JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

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01/09/2017 Irbid, Jordan

**PROFESSOR** JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

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-teaching undergraduate student

- Teaching and supervision of graduate students ( master and PhD students)

**Business or Sector** Education | **Department** Pharmaceutical Technology |

**Address** P.O.Box 3030, P.O.Box 3030, Jordan University of Science and Technology, 22110, Irbid, Jordan |

**Email** [mskhanfar@just.edu.jo](mailto:mskhanfar@just.edu.jo) | **Website** <https://www.just.edu.jo/Pages/Default.aspx>

13/06/2010 – 01/09/2017 Irbid, Jordan

**ASSOCIATE PROFESSOR** JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

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Teaching undergraduate and graduate students  
supervision master students

01/09/2004 – 13/06/2010 Amman , Jordan

**ASSISTANT PROFESSOR** PHILADELPHIA UNIVERSITY

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Teaching undergraduate students

01/09/2009 – 01/09/2010 Amman , Jordan

**DIRECTOR** PHILADELPHIA UNIVERSITY

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Director of faculty affairs

01/09/2007 – 01/09/2009 Amman , Jordan

**HEAD OF UNIVERSITY DEPARTMENT OF PHARMACEUTICAL SCIENCES PHILADELPHIA UNIVERSITY**

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01/09/2000 – 01/09/2004 Amman, Jordan

**PHARMACY LECTURER PHILADELPHIA UNIVERSITY**

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01/09/1995 – 01/09/1998 Irbid, Jordan

**PHARMACY LECTURER JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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01/06/1993 – 01/09/1993 Irbid, Jordan

**RESEARCH ASSISTANT JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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conducting invitro experiments on selected drugs for enhancing its dissolution and bioavailability

## ● EDUCATION AND TRAINING

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01/09/1998 – 01/09/2004 Irbid

**PHD OF PHARMACEUTICAL TECHNOLOGY** Jordan University of Science and Technology

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**Address** P.O.Box 3030, Jordan University of Science and Technology, Irbid |

**Website** <https://www.just.edu.jo/Pages/Default.aspx> | **Field of study** Pharmacy |

**Final grade** PhD of Pharmaceutical Technology |

**Thesis** Characterization of the surface properties of chitosan using adsorption

01/09/1993 – 01/09/1995 Irbid, Jordan

**MSC OF PHARMACEUTICAL TECHNOLOGY** Jordan University of Science and Technology

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**Address** P.O.Box 3030, Jordan University of Science and Technology, Irbid, Jordan |

**Website** <https://www.just.edu.jo/Pages/Default.aspx> | **Field of study** pharmacy |

**Final grade** Master of Pharmaceutical Technology |

**Thesis** Preparation and characterization of possible indomethacin dosage forms using different carriers

01/09/1988 – 01/09/1993 Irbid, Jordan

**BSC OF PHARMACY** Jordan University of Science and Technology

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**Address** P.O.Box 3030, Jordan University of Science and Technology, Irbid, Jordan |

**Website** <https://www.just.edu.jo/Pages/Default.aspx>

## ● LANGUAGE SKILLS

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Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	B2	B2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● **DIGITAL SKILLS**

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Microsoft Word | Microsoft Powerpoint | Microsoft Excel | Facebook | Outlook | Zoom | LinkedIn | Google Drive

## ● **ADDITIONAL INFORMATION**

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### **PUBLICATIONS**

**Design and Optimization of Pioglitazone Hydrochloride Self-Nanoemulsifying Drug Delivery System (SNEDDS) Incorporated into an Orally Disintegrating Tablet**

– 2022

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Pharmaceutics

**Solid self nano-emulsifying system for the enhancement of dissolution and bioavailability of Prasugrel HCl: in vitro and in vivo studies.**

– 2022

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Pharmaceutical Development and Technology

**[Enhancement of the solubility of asenapine maleate through the preparation of co-crystals](#)** – 2021

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Scientia Pharmaceutica

**[Preparation and Evaluation of Co-amorphous Formulations of Telmisartan-Amino Acids as a Potential Method for Solubility and Dissolution Enhancement.](#)**

– 2021

Write here the description...

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AAPS PharmSciTech

**[A novel eutectic-based transdermal delivery system for Risperidone](#)** – 2020

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AAPSP PharmSciTech

**[Preparation and characterization of co-processed starch/mcc/chitin hydrophilic polymers onto magnesium silicate.](#)**

– 2019

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Pharmaceutical Development and Technology

**[Comparative solubility enhancement study of cefixime trihydrate using different dispersion techniques](#)**

– 2019

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AAPS Pharm SciTech

**[Enhancement of dissolution and stability of candesartan cilexetil-loaded silica polymers](#)** – 2019

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International Journal of Applied Pharmaceutics

**Technical insight into biodegradable polymers used in implants”** – 2018

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Jordan Journal of Pharmaceutical Sciences

**Enhancement of the release of curcumin by the freeze drying technique using Inulin and Neusilin as carriers**

– 2018

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International Journal of Applied Pharmaceutics,

**Enhancement of the dissolution and bioavailability from freeze-dried powder of a hypocholesterolemic drug in the presence of Soluplus**

– 2018

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Powder Technology

**Formulations and technologies in growth hormone delivery** – 2017

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International Journal of Pharmacy and Pharmaceutical Sciences, Vol 9, Issue 7, Page: 1-12

**Stabilization and amorphization of Lovastatin using different types of silica.** – 2017

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AAPS PharmSciTech. Aug;18(6):2358-2367

**Enhancement of the release of Tadalafil from liquisolid compacts'** – 2017

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Latin American Journal of Pharmacy

**Preparation and characterization of lovastatin polymeric microparticles by coacervation-phase separation method for dissolution enhancements**

– 2016

Write here the description...

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Journal of Applied polymer science, Volume 133, Issue 14, April 10

**Preparation of sustained-release dosage form of Venlafaxine HCl using liquisolid technique.** – 2014

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Pharmaceutical Development and Technology ,19:1, 103-115,

**Mesoporous Silica based Macromolecules for Dissolution Enhancement of Irbesartan Drug using Pre-adjusted pH method**

– 2013

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Microporous & Mesoporous Materials, June, 22-28

**Formulation factors affecting the release of ezetimibe from different liquisolid compacts** – 2013

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Pharmaceutical development and Technology, April, vol 18, No.2 pages 417-427

**Inulin and poly(acrylic acid) grafted inulin for dissolution enhancement and preliminary controlled release of poorly water-soluble Irbesartan drug**

– 2011

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International Journal of Pharmaceutics, 410 ,206–211

**Assessment of the preserving efficacy of the pharmaceutical syrups to identified air-borne microorganisms**

– 2011

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Trends in Applied Sciences Research,6,2,198-203

**Development of local mucoadhesive sustained release patches of tetracycline hydrochloride for treatment of mouth infections :A preliminary invitro study**

– 2010

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European Journal of Parenteral & Pharmaceutical Sciences , 15(4): 87-94,. ISSN: 0964-4679

**Dissolution enhancement of poorly water-soluble drugs by co-precipitation in the presence of additives and stabilizers**

– 2009

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Jordan Journal of Pharmaceutical Science, volume 2, no.1, 32-41

**Determination of the mechanism of uptake of organic vapors by chitosan** – 2009

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Pharmaceutical Development and Technology, volume 14, 90-95

**Classification of edible oils and uncovering adulteration of virgin olive oils using FTIR with the aid of chemometrics**

– 2009

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Australian Journal of basic and applied sciences. 3(3), 2048-2053

**Evaluation of preserving efficacy for different cough syrups manufactured by different pharmaceutical companies**

– 2009

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International Journal of Pharmacology, 5 , ISSN 1811-7775

**Effect of different organic solvents on the crystal habit of mefenamic acid** – 2009

---

Jordan Journal of Pharmaceutical Sciences , volume 2, no.2, July 150-158

**Identification of the consolidation mechanisms of Encompress** – 2008

---

Jordan Journal of pharmaceutical sciences, volume1,2,111-125

**The sorption of ketotifen fumarate by chitosan** – 2008

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AAPS PharmSciTech, Volume 9, Issue 3, pp. 866-869

**Preparation and characterization of Mefenamic acid crystals prepared in the presence of surfactants-Part I**

– 2008

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Acta pharmaceutica scientia, 50:61-72

**Dissolution behavior of sustained release formulation of Indomethacin with Eudragit RS",** – 1997

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Acta Pharmaceutica Hungarica Nov.67, 235-239

**CONFERENCES AND SEMINARS**

03/11/2019 – 06/11/2019 – SanAntonio, Texas, USA

**'Preparation and Characterization of Lercanidipine Nanoparticles Using High Pressure Homogenizer" AAPS PharmSci 360,**

20/05/2019 – 22/05/2019 – Zurich, Switzerland

**Enhancement of dissolution and stability of candesartan cilexetil-loaded silica polymers" "21st Annual European Pharma Congress"**

27/02/2019 – 02/03/2019 – University of Karachi, Karachi, Pakistan.

**Biodegradable polymers" 5th STEP International Conference entitled, "Cutting Edge Pharmaceutical Approaches to Meet the Emerging Health Challenges of CDS and NCDS Write here the description...**

19/03/2018 – 22/03/2018 – Granada – Spain

**Evaluation of Co-Processed Excipients For Liquisolid Formulations of Ezetimibe"11th PBP World Meeting**

05/12/2018 – 05/12/2018 – Princess Sumaya University for Technology, Amman, Jordan

**The Second Global Forum for Marketing Halal Pharmaceuticals, Halal Pharma 2". International Islamic Marketing Association.**

18/05/2017 – 18/05/2017 – Philadelphia University, Jordan

**Inventions in Jordanian Pharmaceutical Industry Sector. 3rd Scientific Day of Faculty of Pharmacy,**

04/04/2016 – 07/04/2016 – Glasgow, UK

**Stabilization of amorphous Candesartan Cilexetil using Neusilin US2 to increase its aqueous solubility" 10th PBP World Meeting**

25/09/2016 – 29/09/2016 – Antibes, France

**Stabilization of amorphous Candesartan Cilexetil as an approach to increase its aqueous solubility "4th Congress on innovation in drug delivery**

22/09/2013 – 25/09/2013 – PISA -Italy

**Enhancement of the release of Lovastatin by Incorporation in Sylsisa" 3rd Conference on "Innovation in Drug Delivery: Advances in Local Drug Delivery"**

05/10/2008 – 05/10/2008 – Amman-Jordan

**The effect of different organic solvents on the crystal habit of mefenamic acid" The first international conference in Al Zaytoona University, October 2008**

10/10/2008 – 14/10/2008 – Fez- Morocco

**Preparation and characterization of mefenamic acid crystals with surfactants" The fifth congress in The Arab Science and Technology Foundation**

11/04/2008 – 14/04/2008 – Spain

**Dissolution enhancement of poorly water soluble by precipitation into aqueous solution in the presence of additives and stabilizers" The Pharmaceutical Conference**

08/04/2008 – 08/04/2008 – Amman-Jordan

**Dissolution enhancement of poorly water soluble by precipitation into aqueous solution in the presence of additives and stabilizers" The Twelfth Pharmaceutical Conference**

15/09/2005 – 15/09/2005 – Amman-Jordan

**Determination of the mechanism of ketotifen fumarate uptake by chitosan" The Eleventh Pharmaceutical Conference**

11/09/2007 – 11/09/2007 – Amman-Jordan

**Determination of the mechanism of uptake of organic vapors by chitosan" The first pharmaceutical conference in al Zaytoona University**

## **HONOURS AND AWARDS**

16/09/2007

**International Computer Driving License (ICDL) – Philadelphia University-UNISCO**

17/10/2022

**Good Clinical Practice (GCP) – NIDA Clinical Trials Network** Write here the description...

07/01/2022

**How to design your online course – Jordan University of Science and Technology** Write here the description...

## **EDITORIAL BOARD MEMBERSHIP**

CURRENT

**Journal of Excipients and Food Chemicals , online journal, sponsored by the International Pharmaceutical Excipients Council (IPEC)**

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03/2022 – CURRENT

**Pharmaceutical Drug Regulatory Affairs Journals (PDRAJ); ISSN: 2642-6315**

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**Review Editor on the Editorial Board of Experimental Pharmacology and Drug Discovery (specialty section of Frontiers in Pharmacology).**

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## **SUPERVISION OF MASTER STUDENTS THESES IN PHARMACEUTICAL TECHNOLOGY-JUST**

2009

**Co- supervisor of " Ahmad Bassam Farhan Farhan" Thesis entitled " Excipient engineering applied to natural hydrophilic polymers"**

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12/2010

**Supervisor of "Fayeza Qadoor " Thesis entitled " Preparation of sustained release formulation using liquisolid technique"**

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02/2011

**Co-supervisor of " Raghda Yousef Hawari" Thesis entitled " Enhancement of the dissolution rate of poorly water-soluble drug using liquisolid technique"**

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04/2013

**Supervisor of "Sandra Hababeh" Thesis entitled " Evaluation of co- processed excipients for Ezetimibe liquisolid formulation"**

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05/2015

**Supervisor of "Eman Abdullah Mohammad " Thesis entitled " Preparation and stabilization of amorphous Candesartan Cilxetil using silica polymer"**

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07/2017

**Co- Supervisor of "Raghda Sabat " Thesis entitled " Design and formulation of orally disintegrating tablets for Ziprasidone HCl with enhanced dissolution and release properties "**

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10/2017

**Supervisor of "Osama Abu allsood " Thesis entitled " Enhancement the dissolution of curcumin using freeze drying and Neusilin and inulin as carriers"**

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10/2017

**Co- Supervisor of "Ruba Malkawi " Thesis entitled " The feasibility of oral delivery of Liraglutide by microemulsification using chitosan and beta-cyclodextrin"**

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08/2017

**Co-Supervisor of "Rand Ghanma" Thesis entitled "Effect of selected polymers on solubility, dissolution, and stability of Cefixime trihydrate in prepared dispersions".**

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07/2019

**Supervisor of "Baraa Ibrahim " Thesis entitled "Preparation and characterizations of Lercanidipine nanosuspension using high pressure homogenizer"**

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01/2020

**Supervisor of "Suha Hmouze " Thesis entitled " Development of a pharmaceutical form: preparation, characterization, and evaluation of telmisartan-amino acids solid dispersions.**

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**Supervisor of "Shatha Attar " Thesis entitled "Formulation of solid self- emulsifying drug delivery system for prasugrel hydrochloride"**

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2019

**Co-Supervisor of (Ahmad Nattah) Thesis entitled "The pharmacokinetic of a combined oral formulation of Darunavir and Ritonavir in rats.**

---

05/2022

**Co-supervision of (Zainab al Tell), Thesis entitled "Synergistic effect of antibiotics and novel strategies of nanoparticles for eradication of pathogenic biofilms"**

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06/2022

**Co-supervisor of (Noor Bani Ali) Thesis entitled "Investigating the synergistic antibacterial effect of antibiotics and nanoparticles against multidrug -resistant biofilm"**

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CURRENT

**Co-supervisor of (Farah Qawasemeh) Thesis entitled "Solid lipid nanoparticles for oral delivery of ezetimibe: preparation, characterization, and in vivo animal study"**

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CURRENT

**Supervisor of (Sara Saqqar) Thesis entitled "PLGA-PEI nanoparticles for siRNA- 9600 delivery to melanoma cell**

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## **SUPERVISION OF MASTER STUDENTS IN APPLIED CHEMISTRY -JUST**

**Co-supervisor of ( Maram Tawelebeh) Thesis entitled "Co-crystals of Azithromycin and different vitamins with the aim of enhancement of its dissolution and bioavailability".**

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01/2014

**Co-supervisor of (Sawsan Ibrahim Fayoumi) Thesis entitled" synthesis and properties of poly (Glycidyl methacrylate) grafted inulin copolymers for controlled release of drugs,**

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## **SUPERVISION OF MATER OF PHARMACEUTICS -OTHER UNIVERSITIES**

2021

**Co-supervisor of ( Hanan Halim ), Amman Alahaliyya University, Thesis entitled " Utilization of onion peels in preparation of Eco-friendly iron oxide nanoparticles for lung cancer therapy"**

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2021

Co-supervisor of (Ali sharif ) Amman Alahliyya University, Thesis entitled “ Development of transdermal patched releasing itraconazole”

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## **PHD SUPERVISION**

Co-supervisor of Sandra Hababeh -Cairo University – Preparation of Oral Dissolving Tablets of pioglitazone

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CURRENT

Supervisor of (Rawand Daghmash) -JUST, Thesis entitled " Nano-sized Risperidone controlled-release pellets combination for Attention Deficit Hyperactivity Disorder in Autistic patients

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## **WORKSHOPS**

2012

Training on data analyzing using SPSS , Consultative Center for Science and Technology

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2015

Training on E-learning: Open Educational Resources, Academic development center

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2015

Training on E-learning : End note, Academic development center

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2010

Training on statistical package for social sciences, , Academic development center

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## **TEACHING COURSES FOR GRADUATE STUDENTS**

Advanced Physical Pharmacy (PHAR 751): A postgraduate course for MSc in pharmaceutical Technology program.

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Pharmaceutical Dosage Form Technology (PHAR 752): A postgraduate course for MSc in pharmaceutical Technology program.

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Research and Methodology (PHAR 753): A postgraduate course for MSc in pharmaceutical Technology program.

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Seminar in pharmaceutical Technology (PHAR 755): A postgraduate course for MSc in pharmaceutical Technology program.

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Pharmaceutical development and registration (PHAR 953): A postgraduate course for PHD in pharmaceutical Technology program.

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Pharmaceutical polymers and excipients (PHAR 960): A postgraduate course for PHD in pharmaceutical Technology program.

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SEMINAR A (PHAR 957 A): A postgraduate course for PHD in pharmaceutical Technology program.

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