

**Labiba Khalil Ibrahim El-Khordagui, MSc, PhD**  
**Professor of Pharmaceutics**  
**Faculty of Pharmacy, Alexandria University**

**Name:** Labiba Khalil Ibrahim El-Khordagui

**Present Occupation:** Professor Emeritus, Department of Pharmaceutics,  
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**Academic qualifications**

- Ph.D. Pharmaceutical Sciences “Pharmaceutics”, Faculty of Pharmacy, Alexandria University, 1981.
- MSc, Pharmaceutical Sciences “Pharmaceutics”, Faculty of Pharmacy, Alexandria University, 1975.
- B.Sc., Pharmacy and Pharmaceutical Sciences, Faculty of Pharmacy, Alexandria University, Distinction Grade Honor, 1971

**Positions held at the Faculty of Pharmacy, Alexandria university**

- Professor Emeritus of Pharmaceutics, 2007 onwards
- Vice Dean for Community Service and Environment Development Affairs, Faculty of Pharmacy, 2005-2007
- Professor of Pharmaceutics, Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University, 1992 onwards

**Awards**

- Alexandria University Award for Recognition (2008)
- Alexandria University Award for Scientific Research (1987)
- Golden Medal of the Syndicate of Pharmacists of Egypt, 2007
- ACDIMA award for the best research article (2012)
- First place award of “Innovation & Entrepreneurship’s Day” Forum, Alexandria University, May 4-5, 2011.

**Membership:**

- Vice president of the Board of the Arab Society of Materials Science, Alexandria, Egypt
- The Alexandria University nano-cluster
- Controlled Release Society
- The International Pharmaceutical Federation (FIP),
- The editorial board of the Journal of Bioequivalence & Bioavailability
- The Committee for Higher Studies and Research, Faculty of Pharmacy, Alexandria University,
- Member of the Research Ethics Committee of the Faculty of Pharmacy, Alexandria University
- The Society of Medicine and Law

- Former member of the Board of the Society of Consumer Rights (for counterfeit drug and Cosmetic products), Alexandria.
- Former member of the Permanent Scientific Committee for the promotion of Professors and Assistant Professors “Pharmaceutics”;
- Member of the Syndicate of Pharmacists of Egypt

### **Career highlights:**

- Former advisor for the Pharm D program, Faculty of Pharmacy, Alexandria University
- Former Executive manager of the Science Park, Faculty of Pharmacy, Alexandria University
- Former Member of the Board of the Pharmaceutical Services Unit, Faculty of Pharmacy, Alexandria University
- Visiting Professor, Faculty of Pharmacy, Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt
- Visiting Professor, Faculty of Pharmacy and Drug Manufacturing, Pharos University, Alexandria, Egypt
- Visiting Professor, Arab University of Beirut
- Visiting PhD student, School of Pharmacy, University of Strathclyde, Scotland
- Teaching Assistant, Al-Fateh University, Tripoli, Lybia,
- Teaching Assistant, School of Pharmacy, University of Benin, Nigeria

### **Teaching Experience**

Basic Pharmaceutics, drug delivery, pharmaceutical nanotechnology, pharmaceutical biotechnology, clinical Pharmacy and clinical pharmacokinetics, personal care and cosmetic products, professional communication skills for pharmacists.

### **Research interests:**

- Development of different types of particulate nanocarriers for drug delivery and other biomedical applications
- Application of nanotechnological approaches to the enhancement of current therapeutics
- Nanofibers for biomedical applications with emphasis on wound healing
- Drug repurposing for anticancer and antiparasitic applications
- New combinational therapies for anticancer, antiparasitic and wound healing applications
- Microneedles for dermal and transdermal drug delivery
- Community pharmacy practice-based research

### **Reviewing activities**

Reviewer for Nature Scientific Reports, Int. J Pharmaceutics, Pharmaceutical Research, PlosOne, Drug Delivery, J Microencapsulation, Fibers and Polymers, Current Pharmaceutical Biotechnology, Current Drug Discovery Technologies and other journals, Reviewer for national and international conference abstracts and for research proposals for Alexandria University, STDF, Academy of Science and Technology, Imhotep program, etc.

## **Research projects**

- **Setting-up a cell Culture Laboratory for Alexandria University Medical Center**, ALEXREP project (Faculty of Pharmacy, Alexandria University, 2015-2017 (PI)
- **Optimization of injectable biomimetic antimicrobial scaffold for jaw bone regeneration**, STDF project, Department of Materials Science, Institute of Graduate Studies and Research, Alexandria University, 2018 (Consultant).
- **Hepatitis C virus- associated thrombocytopenia in Egypt: study of etiology and response to danazol therapy** (ALEXREP multidisciplinary project funded by Alexandria University) ALEX REP project, 2009.
- **A nanotechnological approach to the enhancement of drug delivery systems for photodynamic therapy** (ALEXREP multidisciplinary project funded by Alexandria University), ALEX REP project, 2009 (PI)
- **Development of nanomaterials for drug delivery systems, sensors and photovoltaic applications**, ALEX REP Project, 2007, (ALEXREP multidisciplinary project funded by Alexandria University) (Co PI)
- **Assessment of the Pharmaceutical Sector in Egypt**, operational project, Faculty of Pharmacy in collaboration with the Ministry of Health and WHO, 2008 (PI).
- **Testing the Bioequivalence and Clinical Efficacy of Selected Atenolol Products Marketed in Egypt**, ALEX REP project, 2007 (PI), in collaboration with the Clinical Trials Centre (CTC), Faculty of Medicine and the Medical Research Institute (MRI), Alexandria University (PI).

## **Patent application**

**A novel therapy of schistosomiasis using a single oral dose of modified lipid nanocapsules.** Labiba K. El-Khordagui, Riham M. El-Moslemany, Alyaa A. Ramadan, Maha M. Eissa, Mervat Z. El-Azzouni. Academy of scientific Research & Technology, Egypt.

## **Recent conference participation and presentations**

1. An itraconazole-miltefosine nanocombination with high anti-breast cancer activity. On demand talk at Controlled Release Society Virtual Meeting, July 2020.

2. Hepatotoxicity of sildenafil nanoparticles for targeted brain delivery: Preclinical assessment. AAPS Annual Meeting and Exhibition, San Antonio, Texas, 3-6 November 2019
3. The pharmacokinetic profile of imipenem in critically ill patients with pneumonia in the intensive care units of Alexandria Main University Hospital, Alexandria, Egypt. AAPS Annual Meeting and Exhibition, San Antonio, Texas, 3-6 November 2019.
4. Intersection of drug repurposing and nanotechnology: Emerging opportunities for new therapies. Labiba El-Khordagui, Plenary lecture, International Conference and Exhibition of Pharmaceutical and Health care Sciences (PHS 2019), Alexandria, Egypt, 26-27 November 2019.
5. Targeting liver cancer stem cell markers and signaling pathways using miltefosine lipid nanocapsules, (PHS 2019), Alexandria, Egypt, 26-27 November 2019.
6. Prodigiosin-functionalized bacterial ghosts: a novel bioinspired delivery system against colorectal cancer. (PHS 2019), Alexandria, Egypt, 26-27 November 2019.
7. Itraconazole against breast cancer: Efficacy enhancement via a dual nanotechnology / combinational therapy approach. (PHS 2019), Alexandria, Egypt, 26-27 November 2019.
8. The pharmacokinetic profile of imipenem/cilastin in critically ill patients with pneumonia in the intensive care units of Alexandria Main University Hospital. (PHS 2019), Alexandria, Egypt, 26-27 November 2019.
9. Mandible Osteomyelitis: Evaluation of a novel chemical induction method and local treatment with an antimicrobial biomimetic hydrogel. (PHS 2019), Alexandria, Egypt, 26-27 November 2019.
10. Community pharmacists' perceptions, awareness and practices regarding counterfeit medicines: A cross-sectional study in Alexandria, Egypt. Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT), oral presentation, Dubai, UAE, March 2018.
11. Fourth Forum of Pediatrics, Updated Pediatric Clinical Practice, Mediterranean Azur Hotel, Alexandria, Egypt, 3-6 October 2018, Session chairing
12. Assessment of the authenticity of sildenafil tablets in Egypt using UV and IR spectroscopy. 78th FIP World Congress of Pharmacy and Pharmaceutical Sciences, 2 - 6 September 2018 Glasgow, UK
13. Counterfeit medicines in Egypt, pharmacists' perception of the problem dimensions and combating strategies. 78th FIP World Congress of Pharmacy and Pharmaceutical Sciences, 2 - 6 September 2018 Glasgow, UK
14. pH sensitive vancomycin nanofibers for localized antimicrobial applications: In vitro and in vivo assessments. The 2018 Controlled Release Society Annual Meeting & Exposition, New York, USA, 22-24 July 2018. Podium presentation
15. Development and optimization of novel NIR-emitting gold nanoclusters-loaded gelatin nanoparticles. El-Sayed, N.; El-Khordagui, L.; Schneider, M. German Pharmaceutical Society Annual Meeting, Saarbrücken, 27-29 September 2017. Podium presentation

16. Intersection of materials innovation and nanotechnology for advanced healthcare. Plenary lecture, L.K. El-Khordagui, the 17th International Conference of the Arab Society of Materials Science, Alexandria, Egypt, December 2017.
17. Alkaline protease as a potential biological skin permeation enhancer: ex vivo and in vivo studies. The 2016 AAPS National Biotechnology Conference, Sheraton Boston Hotel, Boston, USA. The poster was chosen for distinguished poster presentation and invited speak. It was also highlighted in the Controlled Releases Society (CRS) Newsletter in February 2017.
18. Lipid nanocapsule-based gel for topical delivery of itraconazole. The 2015 AAPS Annual Meeting and Exposition, October 25-29, Orlando, Florida, USA.
19. Determinants of irrational use of antibiotics in the private community pharmacy setting, Alexandria Governorate, Egypt. The International Pharmaceuticals and Technologies Conference and Exhibition, Dubai, UAE, March 8-10, Dubai, UAE 2015 (Podium presentation).
20. Safety and efficacy of danazol in patients with hepatitis C virus-associated thrombocytopenia. The 76th Annual Meeting of Japanese Society of Hematology (JSH2014) Osaka, Japan, 21 October - 2 November 2014, Podium presentation.
21. Miltefosine lipid nanocapsules for single dose oral therapy of schistosomiasis mansoni. Translational Medicine. 27-29 August 2014, Angers, France, podium presentation.
22. Novel anti-microbial nanofiber-reinforced chitosan membrane for enhanced healing of infected wounds. Biovision, Alexandria. April 2014.
23. Methylene blue-nanofibers for photodynamic therapy of infected wounds in immunocompromized rats. Biovision, Alexandria. April 2014.

## **Publications**

### **I. Book chapters**

**Biomedical Applications of Composite Resorbable Fibers.** Somiraa S. Said, Hoda Eltahir and Labiba K. El-Khordagui. Chapter 5 in the book "**Composites in Biomedical Engineering: Fibers** (Series B, Volume 6), A. Grumezescu Ed., Elsevier, 2019. pp. 127-155 (ISBN: 9780128184158).

**Drug delivery for cardiac regeneration,** Chapter 13 in "**Applications of Nanocomposite Materials in Drug Delivery.** Hoda M. Eltahir, Somiraa S. Said and Labiba K. El-Khordagui. First Ed. Inamuddin, Abdullah M. Asiri, Ali Mohammad Inamuddin, M. Eds., Elsevier 2018. Pages 283-332 (ISBN: 978-0-12-813741-3).

**Insights into Interactions of Gold Nanoparticles with the Skin and Potential Dermatological Applications.** Nesma El-Sayed, Labiba El-Khordagui, Marc Schneider.

## II. Research articles

- **Single oral fixed-dose praziquantel-miltefosine nanocombination for effective control of experimental schistosomiasis mansoni.** Eissa, M. M., El-Azzouni, M. Z., El-Khordagui, L. K., Abdel Bary, A., El-Moslemany, R. M. & Abdel Salam, S. Parasit Vectors (2020) 13, 474.
- **Evaluation of prophylactic efficacy and safety of praziquantel-miltefosine nanocombination in experimental Schistosomiasis mansoni.** Eissa, M. M., El-Azzouni, M. Z., El-Khordagui, L. K., Abdel Bary, A., El-Moslemany, R. M. & Abdel Salam, S. A. Acta Tropica (2020) 212, 105714.
- **Vancomycin-functionalized Eudragit-based nanofibers: Tunable drug release and wound healing efficacy.** Abdel-Rahman, L. M., Eltaher, H. M., Abdelraouf, K., Bahey-El-Din, M., Ismail, C., Kenawy, E.-R. S., El-Khordagui, L. K. Journal of Drug Delivery Science and Technology (2020) 58, 101812.
- **Community pharmacists' perceptions, awareness and practices regarding counterfeit medicines: a cross-sectional survey in Alexandria, Egypt.** Bashir, A., Galal, S., Ramadan, A., Wahdan, A. & El-Khordagui, L. WHO East Mediterr Health J (2020) 26, 556-564.
- **Protective effect of surface-modified berberine nanoparticles against LPS-induced neurodegenerative changes: a preclinical study.** Soudi, S. A., Nounou, M. I., Sheweita, S. A., Ghareeb, D. A., Younis, L. K. & El-Khordagui, L. K. 2019. Drug Deliv Transl Res (2019) 9, 906-919.
- **Itraconazole lipid nanocapsules gel for dermatological applications: In vitro characteristics and treatment of induced cutaneous candidiasis.** El-Sheridy, N. A., Ramadan, A. A., Eid, A. A. & El-Khordagui, L. K Colloids Surf B Biointerfaces (2019) 181, 623-631.
- **Praziquantel Lipid Nanocapsules: An Oral Nanotherapeutic With Potential Schistosoma Mansoni Tegumental Targeting.** Rokaya O. Amaral, Alyaa A. Ramadan, Riham M. El-Moslemany, Maha M. Eissa, Mervat Z. El-Azzouni, Labiba K. El-Khordagui. Int J Nanomedicine (2018) 13 4493–4505
- **Skin permeability enhancement by Bacillus subtilis alkaline protease: Application to transdermal drug delivery.** Mohamed I. Nounou, Taha I. Zaghoul, Nehal A. Ahmed, Amira Eid, Labiba K. El-Khordagui. Int J Pharmaceutics 529 (2017) 423-432
- **Photosensitizer-eluting nanofibers for enhanced photodynamic therapy of wounds: A preclinical study in immunocompromized rats.** Labiba El-Khordagui, Nesma El-Sayed, Sally Galal, Hanan El-Gowelli, Hoda Omar, Moustafa Mohamed. Int J Pharmaceutics., 520 (2017) 139-148.
- **Skin permeability enhancement by Bacillus subtilis alkaline protease: Application to transdermal drug delivery.** Nounou, M. I., Zaghoul, T. I., Ahmed, N. A., Eid, A. A. & El-Khordagui, L. K. Int J Pharmaceutics (2017) 529, 423-432

- **Inhibition of postsurgical adhesions by methylene blue-loaded nanofibers versus cast film matrices.** Nesma El-Sayed, Sally Galal, Hanan El Gowelli, Labiba El-Khordagui. J Biomat Sci., Polymer Edition (2016) 27 (10) 1029–1044.
- **Miltefosine lipid nanocapsules: Intersection of drug repurposing and nanotechnology for single dose oral treatment of pre-patent schistosomiasis mansoni.** Riham M. El-Moslemany, Maha M. Eissa, Alyaa A Ramadan, labiba K. El-Khordagui, Mervat El Azzouni. Acta Tropica (2016) 159C, 142-148
- **Development and biodistribution of a theranostic aluminum phthalocyanine nanophotosensitizer.** Heba Asem, Ahmed Abd El-Fattah, Noha Nafee, Ying Zhaoa, Labiba Khalil, Mamoun Muhammed, Moustapha Hassana, Sherif Kandil. Photodiagnosis and Photodynamic Therapy (2016) 13, 48–57.
- **Miltefosine Lipid Nanocapsules for Single Dose Oral Treatment of Schistosomiasis Mansoni: A Preclinical Study.** Eissa MM, El-Moslemany RM, Ramadan AA, Amer EI, El-Azzouni MZ, El-Khordagui LK. PLoS ONE (2015) 10(11): e 0141788.
- **Vancomycin-eluting niosomes: A new approach to the inhibition of staphylococcal biofilm on abiotic surfaces.** Heba S. Barakat, Mervat A. Kassem, Labiba K. El-Khordagui, Nawal M. Khalafalla. AAPS PharmSciTech, (2014), 15, 1263-1274.
- **Amphiphilic methoxy poly (ethylene copolymers as biomaterials for methylene blue nanoencapsulation.** Ahmad Abd El-fattah, Mohamed Al-Saadi, Labiba El-Khordagui, Sherif Kandil. Int J Chem Appl Biol Sci., Special Issue (2014), 32-39.
- **Application of quality by design approach to the optimization of emulsions for electrospinning.** M.A. Badawi and L.K. El-Khordagui. Eur J Pharm Sci 58 (2014) 44–54
- **Microneedle / nanoencapsulation mediated transdermal delivery: mechanistic insights.** Yasmine A. Gomaaa, Martin J. Garland, Fiona J. McInnesa, Ryan F. Donnelly, Labiba K. El-Khordagui, and Clive G. Wilson. Eur J Pharm Biopharm. (2014) 86: 145-155.
- **Post-marketing pharmacokinetic and pharmacodynamic equivalence of a generic and brand Atenolol products marketed in Egypt.** Mohamed A. Badawi, Eman Wagdy, Magda Nasr, Mohamed A. Etman, Labiba K. El-Khordagui, Saleh A.H. Khalil. WHO East. Med. Health J, (2013), 19, Supplement 3, S166-S171.
- **Microneedles: An emerging approach in active transdermal delivery of insulin.** El-Khordagui, Editorial, J Bioequiv Availab 2012, 4: 7-9.
- **Laser engineered dissolving microneedles for active transdermal delivery of nadroparin calcium.** Y.A. Gomaa, L.K. El-Khordagui, M.J. Garland, R.F. Donnelly, F. McInnes and C.G. Wilson. Eur J Pharm Biopharm 82 (2012) 299–307

- **Effect of microneedle treatment on the skin permeation of a nanoencapsulated dye.** Yasmine A. Gomaa, Labiba K. El-Khordagui, Desmond I.J. Morrow, Martin J. Garland, Ryan F. Donnelly, Fiona McInnes and Victor M. Meidan. J Pharm Pharmacol, 64 (2012) 1592–1602
- **Flux of ionic dyes across microneedle-treated skin: effect of molecular characteristics.** Yasmine A. Gomaa, Martin J. Garland, Fiona McInnes, Ryan F. Donnelly, Labiba K. El-Khordagui, and Clive Wilson. Int J of Pharmaceutics (2012) 438, 140–149.
- **Could chemical enhancement of gold nanoparticle penetration be extrapolated from established approaches for drug permeation?** Hagar I. Labouta, Labiba K. El-Khordagui and Marc Schneider. Skin Physiol Pharmacol (2012) 25 208-218
- **Propylene glycol-liposomes as a topical delivery system for miconazole nitrate: Comparison with conventional liposomes.** Riham M. Elmoslemanya, Ossama Y. Abdallaha, Labiba K. El-Khordagui, Nawal M. Khalafallah. AAPS PharmSciTech, (2012) 13, 723-731
- **Bioburden-responsive antimicrobial PLGA ultrafine fibers for wound healing.** Somiraa S. Said, Omar M. El-Halfawy, Hanan El-Gowaily, Affaf K. Aloufy, Nabila A. Boraie and Labiba K. El-Khordagui. Eur J Pharm Biopharm. (2012) 80, 85-94.
- **Gold nanoparticle penetration and reduced metabolism in human skin by toluene.** Hagar I. Labouta, David C. Liu, Lynlee L. Lin, Margaret K. Butler, Jeffrey E. Grice, Anthony P. Raphael, Tobias Kraus, Labiba K. El-Khordagui, H. Peter Soyer<sup>4</sup>, Michael, Roberts, Marc Schneider<sup>1</sup>, Tarl W. Prow. Pharm Res (2011) 28 2931–2944.
- **Mechanism and determinants of nanoparticle penetration through human skin.** Hagar I. Labouta, Labiba K. El-Khordagui, Tobias Kraus and Marc Schneider. Nanoscale (2011) 3, 4989.
- **Antimicrobial PLGA ultrafine fibers: Interaction with wound bacteria.** Somiraa S. Said, Affaf K. Aloufy, Omar M. El-Halfawy, Nabila A. Boraie and Labiba K. El-Khordagui. Eur J Pharm Biopharm, (2011) 97,108-118.
- **Combined multiphoton imaging-pixel analysis for semiquantitation of skin penetration of gold nanoparticles.** Hagar I. Labouta, Kraus Tobias, Labiba K. El-Khordagui and Marc Schneider. Int. J. Pharmaceutics (2011) 413, 279– 282.
- **Development of porous PLGA microspheres for dental tissue engineering applications.** Eman H. Nafea, Manal M. Saad, Magda A. El-Massik, Labiba K. El-Khordagui, Mona M. Marei and Nawal M. Khalafallah. Alex. J. Pharm. Sci. (2011) 25, 19-25
- **Polymethacrylate microparticles gel for topical drug delivery.** Hagar I. Labouta and Labiba K. El-Khordagui. Pharm. Res (2010) 27, 2106-2118.



- **Effects of Microneedle Length, Density, Insertion Time and Multiple Applications on Human Skin Barrier Function: Assessments by Transepidermal Water Loss.** Gomaa, Y.A., Morrow, D.I.J., Garland, M.J., Donnelly, R.F., El-Khordagui, L.K., Meidan, V.M., Toxicology in Vitro (2010) 24,1971-1978.
- **Formulation of wax oxybenzone microparticles using a factorial approach.** Yasmine Gomaa, Labiba K. El-Khordagui, Nabila A. Boraie, Inas A. Darwish. J. Microencapsulation (2010) 27, 628-639
- **Chitosan microparticles incorporating a hydrophilic sunscreen agent.** Yasmine A. Gomaa, Labiba K. El-Khordagui, Nabila A. Boraie and Inas A. Darwish. Carbohydrate Polymers (2010) 81, 234-242.
- **Multivariate modeling of encapsulation and release of an ionizable drug from polymer microspheres.** Hagar I. Labouta, Labiba K. El-Khordagui, Abdullah M. Molokhia and Ghaly M. Ghaly. J. Pharm. Sci (2009) 98, 4603-4615.
- **Development of naftifine hydrochloride alcohol-free niosome gel.** Heba S. Barakat\*, Inas A. Darwish, Labiba K. El-Khordagui, and Nawal M. Khalafallah, Drug Devel. Ind Pharm (2009) 35:631-637.
- **Liposomal formulation for dermal and transdermal drug delivery: past, present and future.** Nounou MI, El-Khordagui LK, Khalafallah NA, Khalil SA. Recent Pat Drug Deliv Formul (2008) 2, 9-18.
- **Microbiological assessment of the ultraviolet screening effect of sunscreen preparations.** Yasmine Abdu, El-Sayed Abu-Elmagd, Inas A. Darwish, Nabila A. Boraie and Labiba K. El-Khordagui. J. Cosmetic Science (2008) 59, 291-302.
- **Alendronate PLGA microspheres with high loading efficiency for dental applications.** Eman H. Nafea, Magda A. El-massik, Labiba K. El-khordagui, Mona K. Marei, and Nawal M. Khalafallah. J. Microencapsulation (2007) 24, 525-538.
- **Assessment of pharmaceutical quality of omeprazole capsule products marketed in Egypt.** A. El-Sayed, N.A. Boraie, F.A. Ismail, L.K. El-Khordagui, S.A. Khalil. WHO East Mediterr Health J (2006) 13, 6.
- **Topical liposomal dibucaine delivery System: development and characterization.** Nounou, M.M., El-Khordagui, L.K., Khalafallah, N.A., Khalil, S.A. Continental J Appl Sci (2007) 2, 26-37
- **Surface treatment: A potential approach for enhancement of solid state photostability.** A. Ramadan, M. El-Massik, L. El-Khordagui, N. Daabis, and Y. Hammouda. Int. J. Pharmaceutics (2006) 307, 141-149
- **In vitro release of hydrophilic and hydrophobic drugs from liposomal dispersions and gels.** Mohamed Mahmoud Nounou, Labiba K. El-Khordagui, Nawal A. Khalafallah, Said A. Khalil. Acta Pharm (2006) 56, 311–324.

- **Investigation of a solvent treatment technique involving interaction at the solid-liquid interface.** A. Ramadan, M. El-Massik, L. El-Khordagui, N. Daabis, and Y. Hammouda. Alex. J. Pharm. Sci (2006) 20, 83-89,
- **Influence of different sugar cryoprotectants on the stability and physicochemical characteristics of freeze-dried 5-fluorouracil plurilamellar vesicles.** Mohamed Mahmoud Nounou, Labiba El-Khordagui, Nawal Khalafallah, Said Khalil. DARU (2005) 13, 133- 142.
- **Effect of various formulation variables on the encapsulation and stability of dibucaine base in multilamellar vesicles.** Mohamed Mahmoud Nounou, Labiba El-Khordagui, Said Khalil and Nawal Khalafallah. Acta Poloniae – Drug Research (2005) 62, 369-379
- **Release stability of 5-fluorouracil liposomal concentrates, gels and lyophilized powder.** Mohammed M. Nounou, Labiba El-Khordagui, Said Khalil and Nawal Khalafallah. Acta Poloniae – Drug Research (2005) 62, 381-391
- **Manipulation of powder characteristics by interactions at the solid-liquid interface: sulphadiazine.** Y. E Hammouda; L.K. EL-Khordagui; I. Darwish; A.H. EL-Kamel, Eur. J. Pharm. Sci (1999) 8, 283-290
- **Development of a dissolution medium for glibenclamide.** M.A. El-Massik; I.A. Darwish; E.E.Hassan; El-Khordagui L.K., Int. J. Pharmaceutics (1996), 140, 69-76
- **Assessment of a hydroalcoholic surfactant solution as a dissolution medium for phenytoin.** Darwish I.A.; El-Massik M.A.; Hassan E.E.; El-Khordagui L.K. Int. J. Pharmaceutics (1996) 140, 25-32.
- **A study of benzoate salt/non-ionic surfactant systems.** L.K. El-Khordagui, S.T.P. Pharma Sciences (1992) 2, 431-436
- **Effect of sodium salicylate on the solution properties of sodium dodecyl sulphate.** L.K. El-Khordagui, Int. J. Pharmaceutics, 83, 53-58 (1992)
- **Hydrotrope-gelled starch: a study of some physicochemical properties.** L.K. El-Khordagui. Int. J. Pharmaceutics (1991) 24, 25-32
- **Effect of some drugs and additives on the cross-linking of bovine serum albumin by glutaraldehyde.** AM Saleh, LK EL-Khordagui, DA Robb; AT Florence. Int. J. Pharmaceutics 1989) 57, 205-210
- **The effect of hydrotropic agents on the heat coagulation of bovine serum albumin.** A. M. Saleh, A. T. Florence, T. L. Whateley, and L. K. El-Khordagui., J. Pharm. Pharmacol (1989) 41, 298-301
- **Optimization of digoxin tablets.** El-Gholmy-ZA; El-Khordagui-LK; Hammouda-Y., Drug Dev Ind. Pharm (1988) 14, 1587-1603

- **Effect of pharmaceutical additives and formulations on the in-vitro fluoride uptake by human dental enamel.** L.K. El-Khordagui, S.A. Hanafi, M.M. El-Khawas, M.A. Shams-Eddin and N.A. Daabis, Alex. Dent. J (1988) 13, 107-120.
- **Adsorption of benzodiazepines on charcoal and its correlation with in-vitro and in-vivo data.** El-Khordagui-LK; Saleh-AM; Khalil-SA, and Nawal Khalafallah. Pharm. Acta Helv (1987), 62, 28-32
- **Influence of the cation on the hydrotropic activity of benzoate salts.** L.K. El-Khordagui and A.M. Saleh, S.T.P. Pharma (1986), 2, 918-922
- **PMR study of hydrotropic salt solutions.** Saleh-AM; El-Khordagui-LK; Florence-AT, Arch. Pharm. Chem., Sci. Ed. (1986) 14, 64-68.
- **Aminodiazine: A molecular compound of sulphadiazine and ethylenediamine.** Hammouda-Y; El-Gholmy-ZA; Abou-Shleib-H; El-Khordagui-LK, Drug Dev Ind Pharm (1986) 12, 875
- **Drugs as hydrotropic agents.** L.K. El-Khordagui and A.M. Saleh. S.T.P. Pharma-Pratiques (1986) 2, 1006-1009
- **Hydrotropic agents: A new definition.** A.M. Saleh and L.K. El-Khordagui. Int. J. Pharmaceutics (1985) 24, 231
- **Effect of antacids on oral absorption of rifampicin.** SAH Khalil, LK El-Khordagui, Z. El-Gholmy, Int. J. Pharmaceutics (1984) 20, 99-106
- **Study of hydrotropic salts, cyclohexanol and water systems.** A.M. Saleh, A. Badwan and L.K. El-Khordagui, Int. J. Pharmaceutics (1983) 17, 115-119
- **Interaction of caffeine with phenothiazine derivatives.** S.A Khalil, L.K. El-Khordagui, Int. J. Pharmaceutics (1983) 16, 271-283
- **Solubility of benzodiazepines in sodium salicylate solution and a proposed mechanism for hydrotropic solubilization.** A. Badwan, L.K. El-Khordagui, A.M. Saleh and S.A. Khalil. Int. J. Pharmaceutics (1982) 13, 67-74
- **In-vitro transport of substituted benzoic acids across liquid and solid barriers and its correlation to in-vivo data.** L. El-Khordagui; N. Khalafallah, S. Khalil, Pharm. Acta Helv (1981) 56, 222-224
- **Diazepam-sodium salicylate solution: Dilution with intravenous fluids, in-vitro hemolytic activity and protein binding.** L.K. El-Khordagui, A.M. Saleh and S.A. Khalil. Int. J. Pharmaceutics (1980) 7, 111-118
- **Solubility and stability of diazepam in sodium salicylate solution.** A.M. Saleh, S. Khalil and L.K. El-Khordagui. Int. J. Pharmaceutics (1980), 5, 161-164.