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**EDUCATIONAL QUALIFICATIONS [Tertiary only]**

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| 2015 - 2016 | Introduction to Learning and Teaching in Higher Education (Descriptor 1 & 2)<br>Higher Education Academy, UK  |
| 2009 - 2011 | Doctor of Philosophy in Pharmacy (Pharmaceutics), FMHS,<br>The University of Auckland, New Zealand<br><a href="https://www.myequals.net/sharelink/3b9a6125-5fb5-41d3-ad83-cb198d796ed4/692f5583-13e8-4b47-a83e-a36942fb9359">https://www.myequals.net/sharelink/3b9a6125-5fb5-41d3-ad83-cb198d796ed4/692f5583-13e8-4b47-a83e-a36942fb9359</a> |
| 2004 - 2006 | Master of Pharmaceutical Sciences (Pharmaceutics)<br>Minia University, Minia, Egypt   |
| 1995 - 2000 | Bachelor of Pharmaceutical Sciences,<br>Alexandria University, Alexandria, Egypt  |

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**RESEARCH / TEACHING EXPERIENCE**

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| Dec 2017 – Until now                        | Associate Professor in Pharmaceutics, Faculty of Pharmacy, Minia University<br>Minia, Egypt<br>(Key responsibilities include teaching in different areas of pharmaceutics and Clinical Pharmaceutics across BPharm course, Clinical Pharmacy Course, post-graduate diploma, Masters and PhD students, carrying out administrative roles as appropriate and contributing to Pharmacy Curriculum Development and Departmental Research Plan, supervising Masters and PhD students) |
| Oct 2015 –Aug 2016                          | Lecturer in Pharmaceutics, School of Life Sciences, Pharmacy and Chemistry,<br>Kingston University London, UK<br>(Key responsibilities included teaching in areas related to pharmaceutics, life sciences and microbiology, supervising undergraduate and master students within the area of appointment, carrying out administrative roles as appropriate and contributing to school open days and interview)   |
| Dec 2013 –Oct 2015                          | Leverhulme Fellow, Faculty of Science, Engineering and Computing, Kingston<br>University London, UK<br>(Key responsibilities included research in the area of age-related ocular disorders with emphasis on delivering novel bioactive drugs/peptides into the cornea and cataractous lens, supervising undergraduate and post-graduate research projects and disseminating key research findings in high impact journals and conference proceedings)                            |
| Aug 2012 – Dec 2013<br>and resumed Sep 2016 | Lecturer in Pharmaceutics, Faculty of Pharmacy, Minia University, Minia, Egypt<br>(Key responsibilities included teaching of pharmaceutics curriculum for undergraduate and postgraduate BPharm. students; courses taught included ophthalmic pharmaceutical formulations/advanced drug delivery systems with emphasis on stealth liposomes for anti-cancer drug delivery/ transdermal drug delivery/chemical kinetics of drugs/ pharmaceutical dosage forms I and II)           |

June 2011 – Oct 2011	Formulator/Analyst, Ancare-Merial Pharmaceuticals Company, Auckland, New Zealand (Key responsibilities included analytical methods and formulations development for new products to meet need of NZ farmers)
Jan 2009 – Oct 2011	Demonstrator (on casual contracts), School of Pharmacy, Faculty of Medical and Health Sciences, the University of Auckland, New Zealand (Teaching lab. Tutoring of pharmaceutical compounding for PO2 and Pharmaceutical science course P04)
Oct 2002 – Jan 2009	Assistant Lecturer, Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Minia University, Minia, Egypt (Teaching lab. tutoring of pharmaceutical compounding for P02 and pharmaceutical science experimental courses P04)
Jan 2001 – Mar 2003	Hospital Pharmacist, The General Naval Hospital, Egyptian Navy, Raas El-Teen, Alexandria, Egypt (Outpatient pharmacist: drug dispensing, compounding and providing patient counselling)

## **SIGNIFICANT DISTINCTIONS / AWARDS/ACHIEVEMENTS**

2019	Teacher of the Year, Based on Student Survey
2018	Clinical Pharmacy Research Grant, Faculty Research Fund, Minia University
2015	International Publication Award, Minia University
2013	Leverhulme Post-Doctoral Fellowship, Kingston University London, UK
2011	PhD Completion Award, the University of Auckland, New Zealand
2009	Faculty Research Development Fund for Novel Therapies for Corneal Nerve Regeneration, Faculty of Medical and Health Sciences, University of Auckland, New Zealand
2008	PhD Scholarship, Mission department, Ministry of Higher Education, Egypt

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## **RESEARCH INTEREST (From Disease to Medicine)**

- Pre-formulation and chemical kinetics
- Ocular drug delivery / Regulatory in vitro ocular toxicology (BCOP, HET-CAM, RBCs haemolysis assays)
- Lipid/surfactant nanovesicles (niosomes/ethoniosomes/Phytosomes/Cubosomes)
- Enhancing dissolution/solubility of poorly soluble drugs using cyclodextrins and amino acids
- Controlled/modified release systems (Matrix tablets, alginate beads and floating pellets)
- Protein misfolding diseases / Age-related ocular diseases (in vitro cataract modeling)
- Pharmacy education
- Antiglycation/chelation/antioxidant assays

- Proteomic analysis (Affinity Chromatography and SEC Chromatography)

## **Teaching Activities (Undergraduate and Postgraduate Pharmacy students)**

- Pharmacy Orientation
- Physical Pharmacy
- Pharmaceutical Dosage Forms I & II
- Biopharmaceutics
- Controlled/Modified Release Oral Drug Delivery Systems
- Introduction to Personalized Medicine
- 3D-Printing Tableting
- Clinical Ophthalmology (Eye Injections & Implantable Drug Delivery Systems)

## **PROFESSIONAL SOCIETIES / SERVICE / OTHER ACTIVITIES**

### **Professional Society**

- The Higher Education Academy of the UK
- New Zealand Controlled Release (NZCR) Chapter
- Egyptian Pharmacy Syndicate (Registered Pharmacist)

### **Academic Services (Journal editor and reviewer)**

- Inaugural Associate Editor-In-Chief for Journal of Advanced Biomedical and Pharmaceutical Sciences
  - Editorial board membership on three journals: Archives of Pharmacy Practice, Rheology Open Access and Reactive Oxygen Species (ROS Journal)
  - Referee                      AAPS PharmSciTech
  - Referee                      Journal of Pharmaceutical Sciences
  - Referee                      Journal of Liposome Research
  - Referee                      Drug Development and Industrial Pharmacy
  - Referee                      Pharmaceutical Development and Technology
  - Referee                      Expert Opinion on Drug Delivery
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## **Supervision on Postgraduate research projects**

### **Research Projects I supervised in Egypt**

No.	Course	Project title	Status
1	PhD	Preparation and Evaluation of Cyanocobalamin (Vitamin B12) Mucoadhesive Formulations: Comparative Clinical study with IM injection forms for Hepatitis C Virus Patients	Completed
2	MPharm	Modified Release Baclofen Drug Delivery Systems Based on Gastroretentive Technnology	Completed
3	MPharm	Design, Characterization and Evaluation of Beclomethasone Diporpionate Cubosomes for Ocular Delivery	Completed
4	MPharm	Novel Nano-Lipid-Based Trandermal Drug Delivery Systems for Quercetin	Collecting Data
5	MPharm	Fast Dissolving Oral Film Formulations of Etodolac	Collecting Data
6	MPharm	Enhancement of Stability and Bioavailability of certain Flavonoids Using Nano-technology based Systems	Collecting Data
7	MPharm	Enhancement of Bioavaiability of Certain Statins using Lipid-Based Nanso-systems	Collecting Data
8	MPharm	Design, Characterization and Evaluation of Implantable Delivery systems for Brimonidine Taratarate for Treatment of Diseases of the Posterior Segment of the Eye	Collecting Data

### **Successfully Completed Research Projects I supervised in the UK**

No.	Student KU-ID	Project title	Course
1	K1265008	Solubility and Dissolution Rate Enhancement of Azoles Anti-Fungal Agents Employing the Co-Crystal Technique	MSc
2	K1260898	Proniosomes as a Potential Transdermal Delivery System for Indomethacin	MSc
3	K0955821	Characterisation of Nanocrystals for Quercetin as a Potential Anti-Cataract Therapy	MSc
4	K1108607	Effects of Cyclodextrins on Corneal Permeation and Safety of Bendazac	MPharm
5	K0935042	Influence of $\alpha$ and $\gamma$ Cyclodextrin Inclusion Complexes on Stability, Solubility and Permeability of Quercetin	MPharm
6	K1045238	Preparation, Characterisation and Evaluation of Cyclodextrin Quercetin Systems	Pharm Sci.

7	K0913587	Enhancing Solubility and Dissolution Rate of Rutin Using Cyclodextrins	MPharm
8	K0954459	Novel Lipid Based Systems for Effective Transdermal Delivery	MSc
9	K1303108	Penicillamine: a novel therapy for treatment of diabetic cataracts	Pharm. Sci.
10	K1227351	Advanced Glycation End Products role in multiple diseases	Pharm. Sci.
11	K1534948	In-Situ Gelling Ocular Film: A novel Approach to Treat Surface Eye Disease	MSc
12	K1546901	Solubilisation and Trans-corneal Permeation of Flavonoids Antioxidants	MSc
13	K1521422	Antiglycation a Magic Bullet Therapy for Multiple Diseases: Opportunities and Challenges	MSc

## **PUBLICATIONS (books, review articles and original research articles)**

### **BOOKS**

**Abdelkader, H** & Alany G R. (2012). New Therapy For Diabetic Keratopathy: Preformulation, formulation and evaluation of Naltrexone Hydrochloride Niosomes. LAP Lambert-Academic Publishing, GmbH, Germany.

### **REVIEW ARTICLES**

1. Gaballa, S, Kompella, U, El-Garhy, O, Alqhatni, A, Pierscionek, B, Alany, R. & **Abdelkader, H** (2021). Corticosteroids in Ophthalmology: drug delivery innovations, pharmacology and future perspectives. *Drug Delivery and Translational Research*, 11, 866-893.
2. Ibrahim, M, Wahib, Y, Sarhan, H & **Abdelkader, H** (2019). Gastro-retentive oral drug delivery systems: a promising approach for narrow absorption window drugs. *J. Adv. Biomed. & Pharm. Sci.* 2 (2019) 98-111.
3. **Abdelkader, H**, Pierscionek, B, Wu, Z, Carew, M & Alany, R (2015). Critical appraisal of alternative irritation models: three decades of testing ophthalmic pharmaceuticals. *British Medical Bulletin*, 113, 59-71.
4. **Abdelkader, H**, Alany, R & Pierscionek, B (2015). Age-related cataract and drug therapy: opportunities and challenges for topical antioxidant delivery to the lens. *Journal of Pharmacy and Pharmacology*, 67, 537-550.
5. Rai, U J P, Young, S A, Thrimawithana, T, **Abdelkader, H**, Pierscionek, B. & Alany, R. (2015). The suprachoroidal pathway: a new drug delivery route for the back of the eye. *Drug Discovery Today*, 20, 491-495.

6. **Abdelkader, H** & Alany, R ( 2 0 1 4 ) . Recent advances in non-ionic surfactant vesicles (niosomes): self-assembly, fabrication, characterization, types, applications and limitations. *Drug Delivery*. 21, 87-100.
7. **Abdelkader, H** & Alany, R ( 2 0 1 2 ) . Controlled and continuous release ocular drug delivery of systems: Pros and cons. *Current Drug Delivery*, 9, 421-430.
8. **Abdelkader, H**, Patel, D, McGhee, C & Alany, R (2011). New therapeutic approaches in treatment of diabetic keratopathy. *Clinical and Experimental Ophthalmology*, 39, 259-270.

## ORIGINAL RESEARCH ARTICLES

1. Ibrahim, M, Wahib, Y, Sarhan, H & **Abdelkader, H** (2021). Preformulation-assisted design and characterization of modified release gastroretentive floating extrudates towards improved bioavailability and minimized side effects of baclofen. *Journal of Pharmaceutical Sciences*, 110:1227-1239.
2. **Abdelkader, H**, Wertheim, D, Pierscionek, B & Alany, R (2020). Curcumin in situ gelling polymeric insert with enhanced ocular performance. *MDPI Pharmaceutics*, 12, 12121158.
3. Abou-Taleb, H, Fathalla, Z & **Abdelkader, H** (2020). Comparative studies of the effects of novel excipients amino acids with cyclodextrins on enhancement of dissolution and oral bioavailability of the non-ionizable drug carbamazepine. *European Journal of Pharmaceutical Sciences*, 155: 105562.
4. Gaballa, S, El-Garhy, O, Moharram, H & **Abdelkader, H** (2020). Preparation and evaluation of cubosomes/cubosomal gels for ocular delivery of beclomethasone dipropionate for management of uveitis. *Pharmaceutical Research*, 37: 198.
5. Churchward, C P, Al-Kinani, A, **Abdelkader, H**, Swinden, J, Siwoku, O, Varnakulasingam, T, Alany, R G & Snyder, L (2020). Monocaprin eye drop formulation to combat antibiotic resistant gonococcal blindness. *Scientific Reports* (Nature Research), 10(1):12010.
6. Ibrahim, M, Wahib, Y, Sarhan, H & **Abdelkader, H** (2020). Design, characterization and in vivo evaluation of modified release baclofen floating coated beads. *International Journal of Pharmaceutics*, 582, 119344.
7. Kavar, D & **Abdelkader, H** (2019). Hyaluronic acid gel-core liposomes (hyaluosomes) enhance skin permeation of ketoprofen. *Pharmaceutical Development and Technology*, 24 (8), 1 – 25.
8. Mohamed, S, **Abdelkader, H**, Elrehany, M & Mansour H (2019). Vitamin B12 buccoadhesive tablets: auspicious non-invasive substitute for intra muscular injection: formulation, *in vitro* and *in vivo* appraisal. *Drug Development and Industrial Pharmacy*, Published online ahead.

9. **Abdelkader, H** & Fathalla, Z (2018). Investigation into the emerging role of the basic amino acid L-lysine in enhancing solubility and permeability of BCS Class II and BCS Class IV drugs. *Pharmaceutical Research*, 35, 1-18.
10. **Abdelkader, H**, Fathalla, Z, Moharram, H, Farouk, T & Pierscioneck, B (2018). Cyclodextrin enhances corneal tolerability and reduces ocular toxicity caused by diclofenac. *Oxidative Medicine and Cellular Longevity*, 2018, 1-13.
11. Khoder, M, **Abdelkader, H**, El-Shaer, A, Karam, A, Najlah, M & Alany, R (2018). The use of albumin solid dispersion to enhance the solubility of unionizable drugs. *Pharmaceutical Development and Technology*, 23, 732 – 738.
12. Mohamed, S, Sarhan, H, **Abdelkader, H**, Mansour H (2017). Vitamin B12-loaded buccoadhesive films as a noninvasive supplement in vitamin B12 deficiency: *in vitro* evaluation and *in vivo* comparative study with intramuscular injection. *Journal of Pharmaceutical Sciences*, 106, 1849 – 1858.
13. Khoder, M, **Abdelkader, H**, El-Shaer, A, Karam, A, Najlah, M & Alany, R (2016). Efficient approach to enhance drug solubility by particle engineering of bovine serum albumin. *International Journal of Pharmaceutics*, 515, 740 -748.
14. **Abdelkader, H**, Longman, M, Alany & Pierscioneck, B (2016). On the anti-cataractogenic effects of L-carnosine: Is it best described as antioxidant, metal chelating agent or glycation inhibitor. *Oxidative Medicine and Cellular Longevity*, 2016, 3240261.
15. **Abdelkader, H**, Longman, M, Alany & Pierscioneck, B (2016). Phytosome-hyaluronic acid systems for ocular delivery of L-carnosine. *International Journal of Nanomedicine*, 11, 2815 - 2827.
16. Mady, F, Essa, H, El-Ammawi, T, **Abdelkader, H** & Kamal, A. (2016). Formulation and clinical evaluation of silymarin Pluronic-lecithin organogels for treatment of atopic dermatitis. *Drug Design, Development and therapy*, 10, 1101-1110.
17. **Abdelkader, H**, Swinden, J, Alany & Pierscioneck, B (2015). Analytical and Physicochemical characterisation of the senile cataract drug dipeptide  $\beta$ -alanyl-L-histidine (L-carnosine). *Journal of Pharmaceutical and Biomedical Analysis*, 114, 241-246.
18. Daebis, N, El-massik, M, Abdallah, O Y & **Abdelkader, H** (2015). Formulation and characterization of itraconazole oral nano-suspension: methyl cellulose as a promising stabilizer. *Journal of Drug Development and Clinical Trials*, 1, 102-110.
19. Bhattarai, S, Alany, R G, Bunt, C, **Abdelkader, H** & Rathbone, M J (2015). Design and characterisation of a polyethylene oxide matrix with the potential use as a teat insert for prevention / treatment of bovine mastitis. *AAPS J*, 17, 167-174.

20. **Abdelkader, H** & Mansour, H ( 2 0 1 5 ) . Comparative studies for ciprofloxacin hydrochloride pre-formed gels and thermally triggered (in situ) gels: in vitro and in vivo appraisal using a bacterial keratitis model in rabbits. *Pharmaceutical Development and Technology*, 20, 410-416.
21. **Abdelkader, H**, Pierscioneck, B & Alany, R (2014). Novel in situ gelling ocular films for the opioid growth factor antagonist-naltrexone HCl: fabrication, mechanical properties, mucoadhesion, tolerability and stability studies. *International Journal of Pharmaceutics*, 477, 631-642.
22. **Abdelkader, H**, Abdallah, O Y, Salem, H, Alani, A W G & Alany, R ( 2 0 1 4 ) . Eutectic, monotectic and solid immiscibility systems of nimesulide with water soluble carriers: phase equilibria, solid state characterization and in vivo evaluation. *Journal of Pharmacy and Pharmacology*, 66, 1439-1450.
23. Gaafar, P M, Abdallah, O Y, Farid, R M & **Abdelkader, H** (2014). Preparation, characterization and evaluation of novel elastic nano-sized niosomes (ethoniosomes) for ocular delivery of prednisolone. *Journal of Liposome Research*, 24, 204-215.
24. **Abdelkader, H**, Farghaly, U & Moharram, H (2014). Effects of surfactant type and cholesterol level on niosomes physical properties and in vivo ocular performance using timolol maleate as a model drug. *Journal of Pharmaceutical Investigation*, 44, 329-337.
25. Mai, A, EL-Massik, M A, Abdallah O Y & **Abdelkader, H** (2014). Reduction of Bitterness and Enhancing Palatability of Cetirizine Oral Liquid Dosage Forms by Cyclodextrins. *Journal of Pharmaceutics & Drug Development*, 1, 1-8.
26. **Abdelkader, H**, Akhlaq, M & Abdallah, O Y ( 2 0 1 3 ) . Dissolution media for the analgesic COX II selective and biopharmaceutical classification II drug-nimesulide. *PharmTechMedica*, 2, 290-293.
27. Hazzah, H, El-Massik, M A, Abdallah, O Y & **Abdelkader, H** ( 2 0 1 3 ) . Preparation and characterization of controlled-release doxazosin mesylate pellets using a simple drug layering-aquacoating technique. *Journal of Pharmaceutical Investigation*, 43, 1-9.
28. **Abdelkader, H**, Wu, Z, Al-Kassas, R & Alany, R ( 2 0 1 2 ) . Niosomes and discomes for ocular delivery of naltrexone hydrochloride: Morphological, rheological, spreading properties and photo-protective effects. *International Journal of Pharmaceutics*, 433, 142-148.
29. **Abdelkader, H**, Ismail, S, Hussein, A, Wu, Z, Al-Kassas, R & Alany, R ( 2 0 1 2 ) . Conjunctival and corneal tolerability assessment of ocular naltrexone niosomes and their ingredients on the hen's egg chorioallantoic membrane and excised bovine cornea models. *International Journal of Pharmaceutics*, 432, 1-10.



30. **Abdelkader, H**, Kamal, A, Ismail, S, & Alany, R (2011). Design and evaluation of niosomes and discomes for controlled release ocular delivery of naltrexone hydrochloride *Journal of Pharmaceutical sciences*, 100, 1833-1846.
31. **Abdelkader, H**, Wu, Z, Al-Kassas, R, Brown, J E, & Alany, R (2011). Preformulation characteristics of the opioid growth factor antagonist- naltrexone hydrochloride: stability and lipophilicity studies. *Journal of Drug Delivery Science and Technology*, 21, 157-163.
32. Akhlaq, M, Khan, G, **Abdelkader, H**, Alany, R & Khan, N R (2011). Physicochemical characterization and evaluation of flurbiprofen oral controlled release matrix tablets: Role of ether derivative polymer ethocel. *African Journal of Pharmacy and Pharmacology*, 5, 862-873.
33. Akhlaq, M, Khan, G, Hussein, A, Nawaz, A, Khan, NR & **Abdelkader, H** (2011). A simple high performance liquid chromatographic practical approach for determination of flurbiprofen. *Journal of Advanced Pharmaceutical Technology & Research*, 2, 151-155.
34. **Abdelkader, H**, Kamal, A, Ismail, S & Alany, R (2010). Preparation of niosomes as an ocular delivery system for naltrexone hydrochloride: physicochemical characterization. *Die Pharmazie*, 65, 811-817.
35. **Abdelkader, H**, Abdalla O Y & Salem H (2008). Formulation of controlled-release baclofen matrix tablets II: influence of some hydrophobic excipients on the release rate and in vitro evaluation. *AAPS PharmSciTech*, 9 (2), 675-683.
36. **Abdelkader, H**, Abdalla O Y & Salem H (2007). Formulation of controlled-release baclofen matrix tablets: influence of some hydrophilic polymers on the release rate and in vitro evaluation. *AAPS PharmSciTech*, 8 (4) Article 100
37. **Abdelkader, H**, Abdalla O Y & Salem H (2007). Comparison of the effect of tromethamine and polyvinylpyrrolidone on dissolution properties and analgesic effect of nimesulide. *AAPS PharmSciTech*, 8 (3) Article 65.

## **CONFERENCE PROCEEDINGS**

### **PODIUM PRESENTATION**

1. **Abdelkader, H** (2019). **1<sup>st</sup> International Conference and Exhibition on Pharmaceutical & Healthcare Sciences (PHS 2019)**. Advances in Clinical Ophthalmology: triumphs and tribulations for effective and safe drug delivery systems to the eye. Green Plaza Hotel, Alexandria, Egypt. 6-7<sup>th</sup> November 2019.

2. **Abdelkader, H** (2019). Novel Drug Delivery Methods based on *in-situ* gelling ocular films. 5<sup>th</sup> FUE-Kampiniski Hotel, 1<sup>st</sup> Settlement, Cairo, Egypt. 28<sup>th</sup> January 2019.
3. **Abdelkader, H** (2015). New Therapeutic and Drug Delivery Methods for the anterior Segment of the eye: Corneal ulcers and Cataract. PUA-ICAPS, Alexandria, Egypt. 28<sup>th</sup> October 2015.
4. **Abdelkader, H** (2015). Novel drug delivery systems to the eye: from bench to clinic. Faculty Research and Enterprise Development Day, Kingston University London, Kingston Hill Campus. 17<sup>th</sup> June 2015.
5. **Abdelkader, H** (2015). Novel *In situ*-gelling naltrexone HCl films as a potential novel therapy for corneal healing disorders. European Congress, Valencia, Spain. 25-27<sup>th</sup> August.
6. **Abdelkader, H** (2015). Corneal ulcer amelioration in response to in situ gelling naltrexone HCl films: pharmaceutical formulation and clinical evaluation. Research Highlight Talk. The 42<sup>nd</sup> Annual Meeting & Exposition of the CRS, Edinburgh, Scotland. 26-29<sup>th</sup> July.
7. **Abdelkader, H** (2010). Naltrexone hydrochloride a new ophthalmic pharmaceutical: physicochemical characterisation. Paper presented at *the 12<sup>th</sup> Conference on Formulation and Delivery of Bioactives*, the University of Otago, Dunedin, New Zealand.

## POSTER PRESENTATION

1. **Abdelkader, H**, Alany, R & Pierscionek, B (2015). Anti-cataractogenic effects of L-carnosine: metabolomics, proteomic and cytotoxicity investigation at International Conference on Lens, 6-11<sup>th</sup> December, Kona, Hawaii, USA.
2. **Abdelkader, H**, Pierscionek, B & Alany, R (2014). Formulation of *in situ*-gelling ocular films for the opioid growth factor antagonist-naltrexone HCl: morphological, mechanical, sterilization and mucoadhesion studies. Paper presented at *APS UK-PharmSci*, 8-10<sup>th</sup> September, the University of Hertfordshire, Hatfield, the UK.
3. Akhlaq, M, **Abdelkader, H** & Mansour, H (2014). In vitro and in-vivo evaluation of maltodextrin-based orally disintegrating tablets of flurbiprofen, diclofenac sodium and pioglitazone HCl. Paper presented at *APS UK-PharmSci*, 8-10<sup>th</sup> September, the University of Hertfordshire, Hatfield, the UK.
4. **Abdelkader, H**, Wu, Z, Al-Kassas, R & Alany, R (2011). In vitro release, transcorneal permeation and stability studies of an opioid growth factor antagonist (naltrexoneHCl) niosomes and discomes. Paper presented at *the 38<sup>th</sup> Annual Meeting & Exposition of the CRS*, National Harbor, Maryland, USA (Poster)
5. **Abdelkader, H**, Wu, Z, Al-Kassas, R & Alany, R (2011). Bovine corneal opacity, permeability (BCOP) and histological examination for evaluating ocular irritation and toxicity of non-ionic surfactant vesicles (niosomes). Paper presented at *the 38<sup>th</sup> Annual Meeting & Exposition of the CRS*, National Harbor, Maryland, USA (Poster).
6. **Abdelkader, H**, Wu, Z, Al-Kassas, R & Alany, R (2011). Niosomes as a potential ocular delivery system for the opioid growth factor antagonist-naltrexone hydrochloride: influence of vesicular encapsulation on photooxidation. Paper presented at *the 3<sup>rd</sup> PharmSciFair*, Prague, Czech Republic (Poster).

7. **Abdelkader, H**, Kamal, A, Ismail, S & Alany, R (2010). Development of a validated HPLC-method for naltrexone hydrochloride-encapsulated in niosomal formulations. Paper presented at *the 12th conference on formulation and delivery of bioactives*, The University of Otago, Dunedin, New Zealand (Poster).
  8. **Abdelkader, H**, Kamal, A, Ismail, S & Alany, R (2010). Effect of selected ionic and non-ionic membrane additives on the entrapment efficiency of naltrexone hydrochloride in niosomes. (2010). Paper presented at *the 37<sup>th</sup> Annual Meeting and Exposition of the controlled release Society (CRS)*, Portland, USA (Poster).
  9. **Abdelkader, H**, Kamal, A, Ismail, S & Alany, R (2010). Characterization of ocular naltrexone niosomes using differential scanning calorimetry (DSC) and cryo-scanning electron microscopy (Cryo-SEM). Paper presented at *the 37<sup>th</sup> Annual Meeting and Exposition of the CRS CRS*, Portland, USA (Poster).
  10. **Abdelkader, H**, Wu, Z, Al-Kassas, R & Alany, R (2010). Evaluation of niosomes and discomes for ocular delivery of an opioid growth factor antagonist. Paper presented at *Australasian Pharmaceutical Science Association (APSA) conference*, Brisbane, Australia (Poster).
  11. **Abdelkader, H**, McGhee, C & Alany, R (2009). Naltrexone from alcoholism to corneal wound healing: a formulation approach. Paper presented at *Australasian Pharmaceutical Science Association (APSA) conference*, Hobart, Australia (Poster).
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## **REFEREES**

### **Prof. Barbara Pierscionek**

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