

CURRICULUM VITAE

PERSONAL DETAILS:

Name : Gihan Nabil Hassan Fetih

Date of Birth : 2/7/1971

Sex : Female

Nationality : Egyptian

Marital Status : Married

Present Position : Vice Dean for Graduate Studies and Research, Faculty of Pharmacy.
Professor in the Department of Pharmaceutics, Faculty of Pharmacy.

Address :

Faculty of Pharmacy,
Assiut University,
Assiut 71526, Egypt.



E-mail : gfetih@aun.edu.eg

Tel (mobile): +20 1005573833

Tel (home) : +20 88 2129512

Tel (work) : +20 88 2411866

Fax : +20 88 345631

QUALIFICATIONS:

- **B.Sc.** (Assiut University, 1994)- a grade of “very good” with honors
- **M.Sc.** (Pharmaceutics, Assiut University, 2000), thesis entitled: "Formulation and evaluation studies on buccal gels containing piroxicam"
- **Ph.D.** (Pharmaceutics, Assiut University, 2005), thesis entitled: "Studies on oral delivery of certain peptide derivatives"

OCCUPATIONS:

- *Demonstrator* in the Department of Pharmaceutics, Faculty of Pharmacy, Assiut University, from 1-11-1994 till 28-3-2000 including teaching 40 hours weekly in 2 semesters for undergraduate students, and research work on the subject of the M.Sc.
- *Assistant lecturer* in the Department of Pharmaceutics, from 28-3-2000 till 30-5-2005.
- *Research fellow* in the Department of Biopharmaceutics, Kyoto Pharmaceutical University, Japan, from 24-11-2002 till 1-12-2003.
- *Lecturer* in the Department of Pharmaceutics, from 31-5-2005 till 25-6-2011.
- *Associate professor* in the Department of Pharmaceutics, from 26-6-2011 till 29-10-2016.
- *Head of the Department* of Pharmaceutics, from 19-1-2013 till 31-8-2014.
- *Professor* in the Department of Pharmaceutics, from 30-10-2016 till the present time.
- *Head of the Department* of Pharmaceutics, from 10-12-2017 till 27-8-2019.
- Vice Dean for Graduate Studies and Research, Faculty of Pharmacy, Assiut University, from 28-8-2019 till present time.

CONFERENCES:

*** ATTENDANCE:**

- 18th Japanese Society of Xenobiotics (JSSX) Annual Meeting, October 8-10th, 2003, Sapporo, Japan.
- Assiut University 5th Pharmaceutical Sciences Conference. March 7-8th, 2006, Assiut, Egypt.
- The 25th Annual Conference, Faculty of Medicine, Assiut University, March 11-14th, 2007, Assiut, Egypt.
- The 6th Scientific Conference of Women and Scientific research and Development in Upper Egypt, National Council for Women, held in Assiut University, April 17-19th, 2007, Assiut, Egypt.
- Assiut University 6th Pharmaceutical Sciences Conference, March 12-13th, 2008, Assiut, Egypt.
- The 2nd Scientific Congress of Medical Biochemistry Department, Faculty of Medicine, Assiut University, March 16-17th, 2009, Assiut, Egypt.
- The 27th Annual Conference, Faculty of Medicine, Assiut University, 28-31 March, 2009, Assiut, Egypt.
- Assiut University 7th Pharmaceutical Sciences Conference, March 17-18th, 2010, Assiut, Egypt.
- Assiut University 8th Pharmaceutical Sciences Conference, March 14-15th, 2012, Assiut, Egypt.
- 1st Annual Integrated Medicine Conference. Integrated Medicine: Lungs in the Core, October 10-12th, 2012, Assiut, Egypt.
- Assiut University 9th Pharmaceutical Sciences Conference, March 12-13th, 2014, Assiut, Egypt.
- Assiut University 10th Pharmaceutical Sciences Conference, April 13-14th, 2016, Assiut, Egypt.
- Assiut University 12th International Pharmaceutical Sciences Conference, November 4-5th, 2020, Assiut, Egypt.
- Assiut University 13th International Pharmaceutical Sciences Conference, November 18-19th, 2022, Luxor, Egypt.

*** PAPERS PRESENTED IN CONFERENCES:**

- 3rd World Conference on Drug Absorption, Transport and Delivery Clinical Significance and Regulatory Impact, April 18-20th 2005, Barcelona, Spain:
Effect of nitric oxide donors on the intestinal transport of insulin and calcitonin in rats".
- 1st Scientific Conference of Faculty of Pharmacy Cairo University, March 29th, 2008, Cairo, Egypt :
Polymeric micro-particulate system for a nonsteroidal anti-inflammatory drug".
- 69th International Congress of FIP, September 3-8th, 2009, Istanbul, Turkey:
"Formulation and evaluation of ketorolac tromethamine-eudragit solid dispersions of potential sustained release properties".

- Assiut University 7th Pharmaceutical Sciences Conference, March 17-18th, 2010, Assiut, Egypt :Preformulation compatibility studies on quercetin and tetracycline HCl blend".
- AAPS Annual meeting and exposition, November 10–14th, 2013, Texas, USA:
 - "A Study of the Effects of Viscous Core on the Characteristics of Solid Lipid Nanoparticles for Oral Insulin Delivery".
 - "Selection of Methacrylate-based Cationic Polymers for Fabrication of “Safe” Gene Delivery Systems".
- AAPS Annual meeting and exposition, November 2nd –6th, 2014, San Diego, California, USA:
 - "Increased Transfection Efficiency of Lipid-Coated Methacrylate-Based Gene Delivery Systems".
 - "NF- κ B Decoy Polyplexes Reverse P-glycoprotein-Mediated Multidrug Resistance in Colorectal Cancer Cells".
 - " Methocel-Solid Lipid Hybrid Nanoparticles: A New Strategy to Encapsulate Protein for Oral Delivery".
- International Conference on Nanoscience and Nanotechnology, February 7-11th, 2016 (ICONN 2016), Canberra, Australia:
 - "Engineering Drug-Loaded Magnetic Microcapsules for Synergistic Treatment of Colorectal Cancer".
 - "Mesoporous Biodegradable Silicon Nanoparticles Derived from Natural Diatoms for Sustained Release of Doxorubicin".

TRAINING COURSES AND WORKSHOPS:

- Training course on “Accreditation and quality assurance”, Faculty and leadership development center, Assiut University, Egypt, May 30th -31st, 2006.
- Training course on “Teaching evaluation”, Faculty and leadership development center, Assiut University, Egypt, June 17-19th, 2006.
- Training course on “Courses design”, Faculty and leadership development center, Assiut University, Egypt, July 10-12th, 2006.
- Training course on “Legal aspects in universities”, Faculty and leadership development center, Assiut University, Egypt, September 16-18th, 2006.
- Training course on “Preparing, writing, and international publishing of research papers”, Faculty and leadership development center, Assiut University, Egypt, November 21st -23th, 2006.
- Workshop on “Gel documentation system and its applications”, The Molecular Biology Research

Unit, Assiut University, Egypt, March 22nd, 2009.

- Training course on “e-learning”, Faculty and leadership development center, Assiut University, Egypt, February 19th -21st, 2011.

- Training course on “University administration”, Faculty and leadership development center, Assiut University, Egypt, May 27th -29th, 2012.

- Training course on “Time and meetings management”, Faculty and leadership development center, Assiut University, Egypt, June 16th -18th, 2012.

- Workshop on “Laboratory biosafety in molecular biology labs and its levels”, The Molecular Biology Research Unit, Assiut University, Egypt, October 16th -17th, 2012.

- Training course on “Strategic planning”, Faculty and leadership development center, Assiut University, Egypt, April 27th -29th, 2013.

- Training course on “Systems of examinations and evaluation of students”, Faculty and leadership development center, Assiut University, Egypt, May 25th -27th, 2013.

- Training course on “Ethics of scientific research”, Faculty and leadership development center, Assiut University, Egypt, December 1st -2nd, 2013.

- Training course on “Credit hours system”, Faculty and leadership development center, Assiut University, Egypt, February 22nd -23th, 2014.

- 1st Clinical pharmacy workshop, Pharmacotherapy: pros & cons, South Egypt Cancer Institute (SECI), Assiut University, April 1st, 2014.

- Workshop on “Rules governing the ethics of scientific research”, Assiut University, Egypt, January 23rd, 2023.

- Workshop on “University innovation: Developing an effective marketing strategy”, Assiut University & Egyptian Knowledge Bank, February 22nd, 2023.

- The first introductory forum on international academic classification and sustainable development goals, Assiut University, June 18th, 2023.

PUBLICATIONS:

1- Attia, M.A., El-Gibaly, I., Shaltout, S.E. and **Fetih, G.N.**, Transbuccal permeation, anti-inflammatory activity and clinical efficacy of piroxicam formulated in different gels, In. J. Pharm., 276, 11-28 (2004).

- 2- **Fetih, G.**, Lindberg, S., Itoh, K., Okada, N., Fujita, T., Habib, F., Artursson, P., Attia, M. and Yamamoto, A., Improvement of Absorption enhancing effects of n-dodecyl- β -D-maltopyranoside by its colon-specific delivery using chitosan capsules, *Int. J. Pharm.*, 293, 127-135 (2005).
- 3- **Fetih, G.**, Habib, F., Okada, N., Fujita, T., Attia, M. and Yamamoto, A., Nitric oxide donors can enhance the intestinal transport and absorption of insulin and [Asu(1,7)]-eel calcitonin in rats, *J. Control. Release*, 106, 287-297 (2005).
- 4- Yamamoto, A., **Fetih, G.**, Habib, F., Okada, N., Fujita, T., and Attia, M., Effect of nitric oxide donors on the intestinal transport of insulin and calcitonin in rats. 3rd World Conference on Drug Absorption , Transport and Delivery Clinical Significance and Regulatory Impact, April 18-20th 2005, Barcelona, Spain.
- 5- **Gihan Fetih**, Fawzia Habib, hidemasa Katsumi, Naoki Okada, Takuya Fujita, Mohammed Attia and Akira Yamamoto, Excellent absorption enhancing characteristics of NO donors for improving the intestinal absorption of poorly absorbable compound compared with conventional absorption enhancers, *Drug Metab. Pharmacokinet.*, 21, 222-229 (2006).
- 6- **Gihan Fetih**, Fawzia Habib, Naoki Okada, Takuya Fujita, Mohammed Attia and Akira Yamamoto, Colon-Specific Delivery and Enhanced Colonic Absorption of [Asu1,7]-eel Calcitonin using Chitosan Capsules Containing Various Additives in Rats, *J. Drug Targeting*, 14, 165-172 (2006).
- 7- Muhammad M. Shahwan, Mohammad A. Kobeisy, Muhammad Attia, Fawzia Habib, **Gihan Fetih** and Akira Yamamoto, Clinical evaluation of oral insulin formulation in type-2 diabetic patients, *Assiut Medical Journal*, 31, 53-62 (2007).
- 8- Amal Hussein, Hatem Sarhan, Amal El-Saih and **Gihan Fetih**, Polymeric micro-particulate system for a nonsteroidal anti-inflammatory drug, 1st Scientific Conference of Faculty of Pharmacy Cairo University, March 29th, 2008, Cairo, Egypt.
- 9- El-Badry, M., **Fetih, G.** and Fathy, M, Improvement of solubility and dissolution rate of indomethacin by solid dispersion in gelucire 50/13 and PEG 4000, *SPJ*, 17, 217- 225 (2009).
- 10-M.A. Ibrahim, M.A. Amin, **G. Fetih**, A. Abou Ela, Formulation and evaluation of ketorolac tromethamine-Eudragit solid dispersions of potential sustained-release properties, *STP PHARMA PRATIQUES*, 20 (3), 189- 200 (2010).
- 11-Fawzia Habib, Maha Abdel Azeem, **Gihan Fetih** and Mohamed Safwat, Mucoadhesive Buccal Patches of Lornoxicam: I - Development and *In-Vitro* Characterization, *Bull, Pharm. Sci.*, Assiut University, 33 (1), 59-68 (2010).
- 12- **G. Fetih**, Meloxicam formulations for transdermal delivery: hydrogels versus organogels, *J. DRUG DEL. SCI. TECH.*, 20 (6) 451-456 (2010).
- 13- **G. Fetih**, M. A. Ibrahim and M.A. Amin, Design and characterization of transdermal films containing ketorolac tromethamine, *International Journal of PharmTech Research*, 3 (1), 449-458 (2011).

- 14- Amal K. Hussein and **Gihan N. Fetih**, Novel optimization of shape, swelling and release behaviors of Tolmetin sodium loaded alginate microbeads, *J. Drug Del. Sci. Tech.*, 21 (2), 165-174 (2011).
- 15- Fawzia Habib, Salah El-Dein Shaltout , Maha Abdel Azeem, **Gihan Fetih** and Mohamed Safwat, Mucoadhesive buccal patches of lornoxicam: II – *In-vivo* evaluation and clinical efficacy, *Bull. Pharm. Sci., Assiut Univ.*, 34 (1), 21-30 (2011).
- 16- M. El-badry and **G. Fetih**, Preparation, characterization and anti-inflammatory activity of celecoxib chitosan gel formulations, *J. Drug Del. Sci. Tech.*, 21 (2), 201- 206 (2011).
- 17- Omar M. Shaaban, **Gihan N. Fetih**, Noura H. Abdellah, Saeyd Ismail, Maggie A. Ibrahim and El-sayed A. Ibrahim, Pilot randomized trial for treatment of bacterial vaginosis using *in situ* forming metronidazole vaginal gel, *J. Obstet. Gynaecol. Res.*, 37 (7), 874-881 (2011).
- 18- El-Sayed Ali Ibrahim, Sayed Ismail, **Gihan Fetih**, Omar Shaaban, Khaled Hassanein, Noura Hassan Abdellah, Development and characterization of thermosensitive pluronic-based metronidazole *in situ* gelling formulations for vaginal application, *Acta Pharm.*, 62, 59–70 (2012).
- 19- Hany Abdel-Aleem , Omar M. Shaaban , Mahmoud A. Abdel-Aleem , **Gihan N. Fetih**, Doxycycline in the treatment of bleeding with DMPA: a double-blinded randomized controlled trial, *Contraception*, 86 (3), 224-230 (2012).
- 20- Mahmoud El-Badry, **Gihan Fetih**, Mounir M. Salem-Bekhit, and Faiyaz Shakeel, Formulation and Evaluation of Nanosuspension of Albendazole for Dissolution Enhancement, *Nanoscience and Nanotechnology Letters*, 5, 1024–1029 (2013).
- 21- Mahmoud El-Badry , **Gihan Fetih** , and Faiyaz Shakeel, Comparative topical delivery of antifungal drug croconazole using liposome and micro-emulsion-based gel formulations, *Drug delivery*, 21 (1), 34-43 (2014).
- 22- Mahmoud El-Badry, Nazrul Haq, **Gihan Fetih**, and Faiyaz Shakeel, Measurement and Correlation of Tadalafil Solubility in Five Pure Solvents at (298.15 to 333.15) K, *J. Chem. Eng. Data*, 59, 839-843 (2014).
- 23- Mahmoud El-Badry, Nazrul Haq, **Gihan Fetih** and Faiyaz Shakeel, Solubility and Dissolution Enhancement of Tadalafil Using Self-Nanoemulsifying Drug Delivery System, *J. Oleo Sci.* 63 (6) 567-576 (2014).
- 24- S. Tous, M. Fathy, **G. Fetih** and Sheryhan F. Gad., Preparation and Evaluation of Ketoprofen-loaded Calcium alginate beads, *International Journal of PharmTech Research*, 6 (3), 1100-1112 (2014).
- 25- **Gihan Fetih**, Dina Fathalla and Mahmoud El-Badry, Liposomal gels for site-specific, sustained delivery of celecoxib: in vitro and in vivo evaluation, *Drug Development Research*, 75, 257-266 (2014).

- 26- Mahmoud El-Badry, **Gihan Fetih**, Dina Fathalla, and Faiyaz Shakeel, Transdermal delivery of meloxicam using niosomal hydrogels: in vitro and pharmacodynamic evaluation, *Pharm Dev Technol*, 20 (7), 820-826 (2015).
- 27- Noura H. Abd Ellah, Sarah J. Potter, Leeanne Taylor, Neil Ayres, Mona M. Elmahdy, **Gihan N. Fetih**, El-Sayed A. Ibrahim and Giovanni M. Pauletti, Safety and efficacy of amine-containing methacrylate polymers as nonviral gene delivery vectors, *Journal of Pharmaceutical Technology & Drug Research*, 3: 2 (2014).
- 28- Noura H. Abd Ellah, Leeanne Taylor, Neil Ayres, Mona M. Elmahdy, **Gihan N. Fetih**, El-Sayed A. Ibrahim and Giovanni M. Pauletti, Increased Transfection Efficiency of Lipid-Coated Methacrylate-Based Gene Delivery Systems, *International Journal of Pharma Sciences and Research*, 5(11), 812-819 (2014).
- 29- Shaheer Maher, Mohammed Alsawat, Tushar Kumeria , Dina Fathalla , **Gihan Fetih** , Abel Santos, Fawzia Habib , and Dusan Losic, Luminescent Silicon Diatom Replicas: Self-Reporting and Degradable Drug Carriers with Biologically Derived Shape for Sustained Delivery of Therapeutics, *Adv. Funct. Mater.*, 25(32), 5107–5116 (2015).
- 30- F. A. Mohammed, **G. Fetih** and D. Fathallah, Preparation and In Vitro Evaluation of Sustained Release Microcapsules Containing Theophylline, *International Journal of PharmTech Research*, 8, 1026-1041 (2015).
- 31- Shabaan OM , Abbas AM, Fetih GN , Abdellah NH , Ibrahim EA , Nasr AM , Badran SM and Abdullah SA, Once Daily In-Situ Forming Versus Twice-Daily Conventional Metronidazole Vaginal Gels for Treatment of Bacterial Vaginosis: A Randomized Controlled Trial, *J. Genit. Syst. Disor*, 4:3 (2015).
- 32- Sayed H. Auda, Dina Fathalla, **Gihan Fetih**, Mahmoud El-Badry, Faiyaz Shakeel, Niosomes as transdermal drug delivery system for celecoxib: in vitro and in vivo studies, *Polymer Bulletin*, 73 (2), 1229-1245 (2016).
- 33- Mariam Boushra, Sozan Tous, **Gihan Fetih**, Hui-Yi Xue, Ngoc T. Tran, Ho Lun Wong, Methocel-lipid hybrid nanocarrier for efficient oral insulin delivery, *Journal of Pharmaceutical Sciences*, 105 (5), 1733-1740 (2016).
- 34- NH Abd Ellah, L Taylor, N Ayres, MM Elmahdy, **GN Fetih**, HN Jones, EA Ibrahim and GM Pauletti, NF- κ B decoy polyplexes decrease P-glycoprotein-mediated multidrug resistance in colorectal cancer cells, *Cancer Gene Therapy*, 23 (5), 149-155 (2016).
- 35- **G Fetih**, Fluconazole-loaded niosomal gels as a topical ocular drug delivery system for corneal fungal infections, *J. Drug Del. Sci. Tech.*, 35, 8-15 (2016).
- 36- Ahmad Usama, **Gihan Fetih**, Tahani El-Faham, Performance of Meloxicam Niosomal Gel Formulations for Transdermal Drug Delivery, *British Journal of Pharmaceutical Research (BJPR)*, 12(2): 1-14, (2016).
- 37- Ayat Allam, **Gihan Fetih**, Sublingual fast dissolving niosomal films for enhanced bioavailability and prolonged effect of metoprolol tartrate, *Drug Design, Development and Therapy*, 10, 2421-2433 (2016).

- 38- M Boushra, S Tous, **G Fetih**, K Korzekwa, DB Lebo, HY Xue, HL Wong, Development and evaluation of viscosity-enhanced nanocarrier (VEN) for oral insulin delivery, *Int. J. Pharm.*, **511** (1), 462-472 (2016).
- 39- Shaheer Maher, Tushar Kumeria, Ye Wang, Gagandeep Kaur, Dina Fathalla, **Gihan Fetih**, Abel Santos, Fawzia Habib, Andreas Evdokiou, and Dusan Losic, From the mine to cancer therapy: Natural and biodegradable theranostic silicon nanocarriers from diatoms for sustained delivery of chemotherapeutics, *Adv. Healthcare Mater.*, **5**, 2667–2678 (2016).
- 40- Sheryhan F Gad, **Gihan N Fetih**, Sozan S Tous, Giovanni M Pauletti, Fabrication of Lipid-Coated Chitosan Nanoparticles, *British Journal of Pharmaceutical Research (BJPR)*, **13**(1), 1-8, (2016).
- 41- Ghareb M. Soliman, **Gihan Fetih**, Ahmed M. Abbas, Thermosensitive bioadhesive gels for the vaginal delivery of sildenafil citrate: in vitro characterization and clinical evaluation in women using clomiphene citrate for induction of ovulation, *Drug Development and Industrial Pharmacy*, **43**(3), 399-408 (2017).
- 42- A.N. Fetih, D.M. Habib, I.I. Abdelaal, M. Hussein, **G.N. Fetih**, E.R. Othman, Adding sildenafil vaginal gel to clomiphene citrate in infertile women with prior clomiphene citrate failure due to thin endometrium: a prospective self-controlled clinical trial, *Facts Views Vis Obgyn*, **9**, 1-7, 9, (2017).
- 43- Heba A. Fathi, Ayat Allam, Mahmoud Elsabahy, **Gihan Fetih**, Mahmoud El-Badry, Nanostructured lipid carriers for improved oral delivery and prolonged antihyperlipidemic effect of simvastatin, *Colloids and Surfaces B: Biointerfaces*, **162**, 236–245(2018).
- 44- Sheryhan F Gad, Joonyoung Park, Ji Eun Park, **Gihan N Fetih**, Sozan S Tous, Woojin Lee, Yoon Yeo, Enhancing docetaxel delivery to multidrug-resistant cancer cells with albumin-coated nanocrystals, *Mol. Pharmaceutics*, **15**, 871–881 (2018).
- 45- Mariam Boushra, Sozan Tous, **Gihan Fetih**, Hui-Yi Xue, Ho-Lun Wong, Development of bi-polymer lipid hybrid nanocarrier (BLN) to improve the entrapment and stability of insulin for efficient oral delivery, *Journal of Drug Delivery Science and Technology*, **49**, 632–641 (2019).
- 46- R. Radwan, M. El-Badry, **G. Fetih**, A. Allam, M. Elsabahy, Development and characterization of nanostructured lipid carriers for transdermal delivery of meloxicam, *Bulletin of Pharmaceutical Sciences. Assiut*, **42** (1), 51-62 (2019).
- 47- N. ELeraky, **G. Fetih**, M. El-Badry, Performance of quercetin-chitosan gels as topical delivery systems, *Bulletin of Pharmaceutical Sciences. Assiut*, **42** (1), 71-79 (2019).
- 48- Heba A. Fathi, Ayat Abdel kader, Mahmoud S. Abdel Karim, Ayman A. Abdelaziz, **Gihan Fetih**, Mahmoud El Badry, Mahmoud Elsabahy, Electrospun vancomycin-loaded nanofibers for management of methicillin-resistant *Staphylococcus aureus*-induced skin infections, *Int. J. Pharm.*, **586**, 119620 (2020).

49- Raafat Elsayed Osman, **Gihan Fetih**, Fawzia Habib, Ketorolac tromethamine loaded nanoparticles for ocular delivery: formulation, in-vitro and ex-vivo evaluation, Bull. Phar. Sci. Assiut, 43 (1), 79-94 (2020).

50- Aml I Mekkawy, **Gihan Fetih**, Mahmoud EL-Badry, Ayat Allam, Development and optimization of albendazole nanosuspension as local adjuvant therapy for treatment of enterobiasis, Bull. Phar. Sci. Assiut, 43 (2), 123-134 (2020).

51- Radwa Radwan, Ayat Abdelkader, Heba A Fathi, Mahmoud Elsbahy, **Gihan Fetih**, Mahmoud El-Badry, Development and Evaluation of Letrozole-Loaded Hyaluronic Acid/Chitosan-Coated Poly(d,l-lactide-co-glycolide) Nanoparticles, Journal of Pharmaceutical Innovation, 17, 572-583 (2022).