



C.V.

Heba Farouk Salem

**Professor of Pharmaceutics and Industrial Pharmacy, Faculty of
Pharmacy**

The University of Beni –Suef, Egypt

Tel/ 002-01001944381

Name: Heba Farouk Salem
Date of Birth: 25/12/1971
Nationality: Egyptian
Address: 6 October City, Third district, fourth neighbourhood.

Education:

1989-1994 BSC. Of Pharmacy and Pharmaceutical sciences,
Faculty of Pharmacy, **Cairo University, Egypt.**

2000-2004 PhD of Pharmaceutical Nanotechnology and gene
delivery using self assembled nanoparticles
**School of Pharmacy, the University of Nottingham,
UK .**

2000-2005 Additional courses of marking and assessments,
teaching, team work management, statistical analysis,
philosophy of science , word for long document,
scientific ethics, research management in science and
engineering, building a bibliography, power point for
presentation, developing data base with access-skills
improvement, introduction to SPSS, data formatting

and analysis with MS Excel and skills of spoken and written communications.

2005-2011 Advanced courses in teaching and communication skills by the FLDP.

2015 C++ programming, GIMP for editing by the university of Nottingham staff development courses

Position Held

2016 Professor of Pharmaceutics and industrial Pharmacy, the University of Beni-Suef.

2015-2016 Vice-dean of social services and environmental affairs. Faculty of Pharmacy, the University of Beni- Suef, Egypt.

Spring 2015 Visiting professor at the University of Nottingham, UK

2012-2014 Vice dean for higher education and research, The University of Beni-Suef, Egypt.

2011-2012 Vice-dean of social services and environmental affairs. Faculty of Pharmacy, the University of Beni- Suef, Egypt.

2011-2014 Head of Pharmaceutics and Industrial Pharmacy department, Faculty of Pharmacy. The University of Beni- Suef, Egypt.

2011-2012 Associate professor of Pharmaceutical Nanotechnology, The University of Beni- Suef, Egypt.

2005-2010 Assistant professors of Pharmaceutics and Industrial Pharmacy Faculty of Pharmacy, The University of Beni- Suef, Egypt.

2008-2012 Assistant professor of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Nahda University ,Beni- Suef, Egypt.

2005-2010 Coordinator of the cultural affairs within school of Pharmacy the University of Beni-Suef

2007-2008 Consultant within the quality assurance unit

2007-2008	Faculty of pharmacy, the University of Beni-Suef. Member of the research committee,
1994-2000	Faculty of pharmacy, the University of Beni-Suef. Researcher in Drug Bioavailability Centre, National Organisation for Drug Control and Research (NODCAR), Egypt.
2005	Assistant professors of pharmaceutics and industrial pharmacy, Faculty of pharmacy, the University of Beni- Suef, Egypt.
2008-2011	Assistant professor of pharmaceutics and industrial pharmacy, Faculty of pharmacy, Nahda University , Beni- Suef, Egypt.
2008-2009	Assistant professor of Pharmaceutics in ACU (Al-ahram Canadian university)
2007-2008	Consultant within the quality assurance unit Faculty of pharmacy, the University of Beni-Suef
2007-2008	Member of the research committee Faculty of pharmacy, the University of Beni-Suef
1994-2000	Researcher in Drug Bioavailability Centre National Organisation for Drug Control and Research (NODCAR), Egypt.

Teaching Experience

Extensive participation in teaching the following subjects:

Physical pharmacy, community pharmacy, pharmaceutics 2 (solid dosage forms), pharmaceutics 3 (parenterals), controlled release dosage forms, radiopharmacy, orientation, pharmacokinetics and

biopharmaceutics, cosmetics, advanced drug delivery and history of pharmacy.

Area of Research Interest

My research interest is focused on designing non-viral gene delivery systems, biodegradable nanoparticles (solid lipid nanoparticles, nanocarriers for macromolecules and biologically active compounds. Targeted nanoparticles using different targeting moieties such as folic acid and folinic acid... etc,

I T Skills

Excellent experience in word, excel and power point and in using other soft wares such as winmd for analysis of flowcytometry results and WinNonlin for pharmacokinetic data analysis. Mini Tab for data mining and experimental design.

Other knowledge

Very good experience in statistics especially the parametric tests using softwares such as prism.

Societies:

Member of controlled release society (USA)
Member of British pharmaceutical society (UK)
Member of the Egyptian society of biomaterial science
Member of the Egyptian pharmaceutical society (Egypt)
Member of the Egyptian society of nanotechnology

Publications

Abdelbary AA, Salem HF and Khallaf RA. Niosomal 5-Flourouracil gel for effective treatment of skin cancer; *In-vitro* and *In-vivo* evaluation. International journal of Drug delivery.(2016) Accepted

Salem HF , Kharshoum RM , Abdel Hakim LF & Abdelrahim M E.
Edge activators and a polycationic polymer enhance the formulation of porous voriconazole nano-agglomerate for the use as a dry powder inhaler. *Journal of Liposome Research*. Early Online: 1–12.2016

Salem HF, Sayed MA. and Omar MM. Liposomal flucytosine capped with gold nanoparticle formulations for improved. *Drug Design, Development and Therapy* 2016(10) 277–295

Maher EM, Ali AA, Salem HF, Abdeelbary AA. In vitro/in vivo evaluation of an optimized fast dissolving oral film containing olanzapine co-amorphous dispersion with selected carboxylic acids. *Drug Deliv*, Early Online: 1–13

Raghda R. S. Hussein, Ahmed M. A. Ali, Heba F. Salem, Maha M. Abdelrahman, Amira S. A. Said & Mohamed E. A. Abdelrahim. In vitro/in vivo correlation and modeling of emitted dose and lung deposition of inhaled salbutamol from metered dose inhalers with different types of spacers in noninvasively ventilated patients. *Pharmaceutical Development and Technology*, Early Online: 1–10. 2015 DOI: 10.3109/10837450.2015.1116567

Salem HF, Sayed MA. Hassaballah A S and Omar MM. Targeting Brain Cells with Glutathione -Modulated Nanolipsosomes: in vitro and in vivo study. *Drug Design, Development and Therapy*. 2015 (9) 1-23.

Ali MF, Salem HF, Abdelmohsen H, Atteia S K. Preparation and clinical evaluation of nano-transferosomes for treatment of erectile dysfunction. *Drug Design, Development and Therapy*. 2015 (9) 2431-2447.

Abdelrahman AA, Salem HF, Khallaf R A, and Abdelhaleem AA. "Modeling, Optimization, and In Vitro Corneal Permeation of Chitosan-Lomefloxacin HCl Nanosuspension Intended for Ophthalmic Delivery," *Journal of Pharmaceutical Innovation*, 2015.

AM Abou-Yousef, Salem HF, MA Hamzawy . Alternative Animal model of urethane induced lung cancer: a pilot study. *Toxicology Letters*, 2014

Salama H, Zekri A, Salem HF, Omran D, Abd elrahman M.
Comparative Efficacy of Amantadine hydrochloride Against The efficacy of

amantadine sulfate in treating Egyptian patients with chronic HCV. *International journal of tropical disease and health*. 2014 (4) 10 11-4-1010.

Salem H F, Ahmed S M , Omar M M. ·Computed tomography imaging of nanotheranostics liposomes for ocular delivery. *Proceeding of controlled release conference. 2014*

Kharshoum RM , Salem HF. Formulation and Evaluation of Ketotifen Fumarate Fast Disintegrating Sublingual Tablets. *Int J Drug Deliv*. 2011; 3 : 619-632

Salem HF, Abdelrahim ME, Eid KA, Sharaf MA. Nanosized rods agglomerates as a new approach for formulation of a dry powder inhaler. *Int J Nanomedicine*. 2011; 6:311-20.

Salem HF, Sustained-release of progesterone nanosuspension following Intramuscular Injection in ovariectomised rats. *Int J Nanomedicine*. 2010; 5:943-54.

Salem HF, Fahmy ,Ali AM. Extended immunization of rats using microencapsulated Cobra venom. *Br. J Pharm and Toxic*. 2011;1: 43-50, 2011

Abd Elbary A, Salem HF , Maher EM. In vitro and in vivo evaluation of glibenclamide using surface solid dispersion (SSD) Approach. *Br. J Pharm and Toxic* . 2011; 1: 51-62.

Salem HF, Eid KA, Sharaf MA. Formulation and evaluation of silver nanoparticles as antibacterial and antifungal agents with a minimal cytotoxic effect. *Int J Drug Deliv*. 2011; 3 : 293-304

Abd El-Bary AA, Salem HF, Kharshoum RM .2-Hydroxypropyl- β -Cyclodextrin Complex with Ketotifen Fumerate for eye drops preparations. *Int J Drug Deliv*. 2011;3 : 228-240

Salem HF, Abdelrahim ME, Abo Eid K, Sharaf MA, Agglomeration of theophylline Nanoparticles: a New Protocol for Pulmonary Drugs Administration, oral presentation in The XXVIII international conference 2010 on Solid State Science and Materials Physics & workshop on Functional Nanostructures and Hybrid Organic-Inorganic Materials, Fayoum, Egypt (March 22nd-25th), Conference book 2010.

Salem HF, R Khalaf, Abd Elbary AA, Incorporation of the chemotherapeutic agent 5-fluorouracil into solid lipid nanoparticles for topical application: Production, Characterization and release oral presentation in The XXVIII international conference 2010 on Solid State Science and Materials Physics & workshop on Functional Nanostructures and Hybrid Organic-Inorganic Materials, Fayoum, Egypt (March 22nd-25th), Conference book 2010.

Abd Elbary A, Salem HF, Maher E., Using solvent deposition techniques to enhance solubility of glibenclamide, *proceedings of the Egypt. Pharmace. Soci.* Egypt.2008; p-30

El-Tantawy WH. Salem HF. ,Safwat NM. , Effect of Fascioliasis on the Pharmacokinetics Parameter of Triclabendazole in human Subjects. *J Pharm. world Sci.* 2007;3:190-8

El Said MY., Salem HF, Moharram SE. , A Study of the Effect of Different Semisolid Bases on the Sustainment of Local Activity of Econazole Nitrate. *Proceeding of the Egypt. Pharmace.Soci., Dec. Egypt* .2006; p-1.

EL-Tantawy WH, Salem HF, Clinical pharmacokinetics study of Two Triclabendazole Formulations in Patients with Fascioliasis, *Boll. Chem. Farm.* 2005; 5:67-75

Salem HF., Stolnik S., Garnett MC. Physicochemical, Binding and Cellular Uptake of Folate Modified Macromolecules and Gene Delivery System. *J. pharm and pharm.*2003; S-13

Salem HF, Bignotti F , Lee R. , Stolnik S. , Garnett M. Sterically Stabilised Gene Delivery Systems Incorporating Targeting Ligand and Amphipathic Peptides. Proceeding of The Controlled release 30th annual meeting.2003; p-627

Salem HF, Stolnik S, Garnett MC. Incorporation of Targeting Moiety into a Multicomponent DNA delivery system. *J. Pharm. and pharm.* 2002; S60-61

Conferences and Visits

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| 2015 | Visiting professor in the university of Nottingham UK |
| 2014 | Computed tomography imaging of nanotheranostics liposomes for ocular delivery. <i>controlled release conference USA . 2014</i> |
| 2013 | Invited speaker in nanotechnology for applied sciences. One day workshop 2013. Cairo, Egypt. |
| 2012 | Invited speaker in ABAS 1. The international conference of applied biological analysis and sciences, Hurghada, Egypt. |
| 2010 | Invited speaker in Nanotech Egypt (September 18-22, 2010) |
| 2010 | invited speaker in XXVIII international conference 2010 on Solid State Science and Materials Physics & workshop on Functional Nanostructures and Hybrid Organic-Inorganic Materials, Fayoum, Egypt (March 22 nd -25 th), Conference book 2010. |
| 2010 | invited speaker in nanotechnology workshop The University of Beni Suef 28 Feb (2010) |

2009	nanotechnology and its application, the national research institute, Cairo, Egypt
2008	31 st International conference of the Egyptian pharmaceutical society, Egypt
2006	30 th International conference of pharmaceutical sciences, Cairo, Egypt
2005	2 nd international conference of scientific research and its application, Cairo, Egypt.
2003	British pharmaceutical conference, Harrogate, UK.
2003	Controlled release society conference, Glasgow, UK.
2002	British pharmaceutical conference, Manchester, UK.
2001	British pharmaceutical conference, Glasgow, UK.

Projects

Principal investigator of STDF project (ID 1636)
 “formulation and evaluation of self assembled siRNA nanocarriers for the possible treatment of HCV”. Final budget one million 1 000.000 LE

Awards:

2012-March The University award in the First science day
 2008-2009. Final selection in the Islamic development bank award as a post doctoral fellow, USA.

Contact details:

heba_salem2004@yahoo.co.uk, Tel /0100194438

References:

1-Prof. Martin Garnett, Professor in advanced drug delivery and tissue engineering group, School of pharmacy , the University of Nottingham, NG7 2RD, UK

e.mail: m.garnett@nottingham.ac.uk

2- . Abdel-Rahman N.Zekri M.Sc., Ph.D Prof. Molecular Virology and Immunology Head of Molecular Virology and Immunology . Head of Human Genetic Center Cancer Biology Department, National Cancer Institute
ncizekri@yahoo.com

2-Prof. Dr. Abdallah Molokhia, Chairman of European Egyptian Pharmaceutical Company, Alexandria, Egypt.