

Curriculum Vitae

## Noura Hassan Abd Ellah



### Personal Data

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Date of birth: 15-12-1983

(Day) (Month) (Year)

Current position:

Associate Professor of Pharmaceutics

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### Awards and Honors

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| 2020      | <b>Fast track promotion “Associate professor of pharmaceutics”</b>   |
| 2018      | Visiting Scholar fellowship ( <b>Post-Doc</b> ) awarded by Missions Sector, Ministry of Higher Education, Egypt to <b>Dr Pauletti lab</b> , Pharmaceutical science Department, <b>Winkle L. James college of Pharmacy, Cincinnati University, OH, USA</b>      |
| 2012-2014 | Visiting Scholar fellowship ( <b>PhD student</b> ), awarded by Missions Sector, Ministry of Higher Education, Egypt to <b>Dr Pauletti lab</b> , Pharmaceutical science Department, <b>Winkle L. James college of Pharmacy, Cincinnati University, OH, USA.</b> |
| 2005      | <b>Excellence award</b> , awarded by Egyptian Pharmacy Syndicate, Cairo, Egypt   |

2005 **Academic excellence award**, awarded by Assiut University, Assiut, Egypt.

### Education

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Jan 2011 – June 2011	Graduate School (PhD <i>courses completed; Grade A</i> ) Department of Pharmaceutics Faculty of Pharmacy, Assiut University, Assiut, 71526, Egypt. Course work: Completed.
Dec. 2005 - June 2007	Graduate School (Master <i>courses completed; Grade A</i> ) Department of Pharmaceutics Faculty of Pharmacy, Assiut University, Assiut, 71526, Egypt. Course work: Completed.
Sep. 2000 - June 2005	Bachelor Sciences in Pharmaceutical sciences ( <i>Summa cum laude; ranked 3<sup>rd</sup> on class</i> ) Faculty of Pharmacy, Assiut University, Assiut, 71526, Egypt.

### Degrees

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Degree (Dec. 2014)	<b>PhD degree in Pharmaceutical sciences</b> (Pharmaceutics). Title of thesis: "Formulation and Delivery of Genetic Material Using Non-viral Delivery systems". Joint supervision ( <b>Cincinnati University, USA_Assiut University, Egypt</b> )
Degree (Dec. 2010)	<b>Master's degree (M.Sc.)</b> in Pharmaceutical sciences (Pharmaceutics). Title of thesis: "Pharmaceutical Studies on Formulation of Certain Topically Applied Drugs in Polymeric Gelling Systems" ( <b>Assiut University</b> )

### Work Experience (Professional positions)

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Jan 2020-till now	<b>Associate Professor of Pharmaceutics</b> Department of Pharmaceutics, Faculty of Pharmacy, Assiut University, Assiut, Egypt. Main activities and responsibilities: <b>For Undergraduate:</b> Lab-oriented classes Supervision assisted and supervised undergraduate student laboratory experiments. Teaching Undergraduate Students <b>For Postgraduate:</b> Teaching Post-graduate Students <b>Examination works</b> for undergraduate students <b>Research activities:</b> Currently I am involved in many research projects. <b>Advisor to M.Sc students.</b>
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June 2019-Oct 2019	<b>Post-doctor at Dr. Kumari lab</b> , Pharmaceutical science Department, <b>Winkle L. James college of Pharmacy, University of Cincinnati, OH, USA.</b> Working on different research projects.
Aug 2018-May 2019	<b>Post-doctor at Dr. Pauletti lab</b> , Pharmaceutical science Department, <b>Winkle L. James college of Pharmacy, University of Cincinnati, OH, USA.</b> Working on different research projects.
Jan 2015- Aug 2018	<b>Lecturer</b> Department of Pharmaceutics, Faculty of Pharmacy, Assiut University, Assiut, Egypt. Main activities and responsibilities: <b>For Undergraduate:</b> Lab-oriented classes Supervision, assisted and supervised undergraduate student laboratory experiments, including Dosage Form Design I, II; Physical Pharmacy I, II; Basic Therapeutics; OTC Medications; and Basic Clinical Pharmacy; Biopharmaceutics and pharmacokinetics. Teaching Undergraduate Students <b>For Postgraduate:</b> Teaching Post-graduate Students <b>Examination works</b> for undergraduate students <b>Research activities:</b> Currently I am involved in many research projects. <b>Advisor to two M.Sc students.</b>
Jan 2011 – Dec. 2014	<b>Ph.D. Student &amp; Assistant Lecturer</b> (Jan 2011- Aug. 2012) <b>Joint Supervision (Egypt-USA) (USA stay Sept. 2012-Sept. 2014)</b> <b>Pharmaceutical science Department, Winkle L. James college of Pharmacy, Cincinnati University, OH, USA.</b> Department of Pharmaceutics, Faculty of Pharmacy, Assiut University, Assiut, Egypt Thesis project: Formulation and Delivery of Genetic Material Using Non-viral Delivery systems. (USA Adviser: Associate Prof . Giovanni M. Pauletti – Main Egyptian Advisor: Prof. Elsayed A. Ibrahim)
Dec. 2005 - Dec. 2010	<b>Demonstrator</b> (Teaching assistant) Department of Pharmaceutics, Faculty of Pharmacy, Assiut University, Assiut, Egypt. Thesis project: Pharmaceutical Studies on Formulation of Certain Topically Applied Drugs in Polymeric Gelling Systems. (Main Advisor: Prof. Elsayed A. Ibrahim) Main activities and responsibilities: Taught lab-oriented classes, assisted and supervised undergraduate student laboratory experiments, including Dosage Form Design I, II; Physical Pharmacy I, II; Basic Therapeutics; OTC Medications; and Basic

### **Mentor Activities:**

I acted as an advisor and a member for the following students:

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1. **Dina Adel:**

Demonstrator and M.Sc student at Faculty of Pharmacy, Assiut University, Assiut, Egypt.  
Currently, she is a PhD student at Faculty of Pharmacy

2. **Eman Sayed:** M.Sc at Faculty of Pharmacy, Assiut University, Assiut, Egypt.

3. **Heba Yousry:** PhD student at Faculty of Pharmacy, Assiut University, Assiut, Egypt.

### **Reviewing Activities:**

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I am acting as a **reviewer** at the following journals:

- International Journal of Pharmaceutics
- PLOS ONE
- Asian Pacific Journal of Cancer Prevention
- Gene Reports
- Microbial Drug Resistance
- Journal of Immunological Methods
- Bulletin of Pharmaceutical Sciences (Assiut University)

### **Publications**

1. Abd El-Aziz FEA, Hetta HF, Abdelhamid BN, Abd Ellah NH. **Nanomedicine** (Lond). 17 (2022) issue 6:353-365. Antibacterial and wound-healing potential of PLGA/spidroin nanoparticles: a study on earthworms as a human skin model. doi: 10.2217/nmm-2021-0325.
2. Helal F Hetta, Israa MS Al-Kadmy, Saba Saadoon Khazaal, Suhad Abbas, Ahmed Suhail, Mohamed A El-Mokhtar, Noura H Abd Ellah, Esraa A Ahmed, Rasha B Abd-Ellatief, Eman A El-Masry, Gaber El-Saber Batiha, Azza A Elkady, Nahed A Mohamed, Abdelazeem M Algammal. **Scientific reports** 11(2021) issue 1, 1-11. Antibiofilm and antivirulence potential of silver nanoparticles against multidrug-resistant *Acinetobacter baumannii*.
3. Ana Catarina Moreira, Gaber E. Batiha, Noura H. Abdellah, and Natália Martins. Chapter at **Apple Academic Press - CRC Press** (in production, Publishing 2022). Nanoparticle-Based Therapy in Chronic Obstructive and Infectious Lung Diseases: Past, Present, and Future Perspectives. Editors: Devarajan Thangadurai, Saher Islam, Jeyabalan Sangeetha, Natália Martins, Book title: Biogenic Nanomaterials: Structural Properties and Functional Applications. Innovations in Biotechnology series.

4. Gopala Koneru, Gaber El-Saber Batiha, Abdelazeem M Algammal, Mahmoud Mabrok, Sara Magdy, Shrouk Sayed, Mai E AbuElmagd, Reham Elnemr, Mahmoud M Saad, Noura H Abd Ellah, Amal Hosni, Khalid Muhammad, Helal F Hetta. **Infection and Drug Resistance** **14 (2021) 1169–1184**. BCG Vaccine-Induced Trained Immunity and COVID-19: Protective or Bystander?
5. Ahmed M Abbas, Noura H Abd Ellah, Maryt A Hosny, Mohamed S Abdellah, Mohammed K Ali. **The European Journal of Contraception & Reproductive Health Care** **26 (2021) issue 2**. Self-administrated vaginal 2% lidocaine in-situ gel for pain relief during copper intrauterine device insertion in women with previous caesarean delivery only: a randomised, double-blind placebo-controlled trial.
6. Mahmoud Abdelkarim, Noura H Abd Ellah, Mahmoud Elsabahy, Mohamed Abdelgawad, Sara A Abouelmagd. **Colloids and Surfaces A: Physicochemical and Engineering Aspects** **611 (2021) 125774**. Microchannel geometry vs flow parameters for controlling nanoprecipitation of polymeric nanoparticles.
7. Ahmed M Abbas, Yousra M Othman, Mohamad M Abdallah, Noura H Abd Ellah, Hanan G Abdel Azim, Ayman H Shaamash. **Department of Obstetrics and Gynecology, The University of Iowa Hospitals and Clinics**. Effect of esomeprazole on maternal serum soluble fms-like tyrosine kinase-1 and endoglin in patients with early-onset preeclampsia.
8. Noura H Abd Ellah, Asmaa S Shaltout, Shreen MM Abd El Aziz, Ahmed M Abbas, Hasnaa G Abd El Moneem, Entisar M Youness, Amal F Arief, Marwa F Ali, Basma N Abd El-hamid. **European Journal of Pharmaceutical Sciences** **157 (2020) 105602**. Vaginal suppositories of cumin seeds essential oil for treatment of vaginal candidiasis: Formulation, in vitro, in vivo, and clinical evaluation.
9. Noura H. Abd Ellah, Sheryhan F. Gad, Khalid Muhammad, Gaber El-Saber Batiha, Helal F. Hetta. **Nanomedicine** **15 (21)(2020) 2085-2102**. “Nanomedicine as a promising approach for diagnosis, treatment and prophylaxis against **COVID-19**”.
10. Vivek K. Chaturvedi, Navneet Yadav, Neeraj K. Rai, Noura H. Abd Ellah, Raghvendra A. Bohara, Ibrahim F. Rehan, Najat Marraiki, Gaber El-Saber Batiha , Helal F. Hetta and M. P. Singh. **Molecules** **25 (2020) 3091**. “Pleurotus sajor-caju-Mediated Synthesis of Silver and Gold Nanoparticles Active against Colon Cancer Cell Lines: A New Era of Herbonanocotics”.
11. Noura H. Abd Ellah, Esraa A. Ahmed, Ahmed G. Hemdan, Heba E.M. El-Deek, Saida Ez Elregal, Helal F. Hetta. **Nanomedicine** **15 (1) (2020)**. “Modulation of rifampicin hepatotoxicity on rat model using PLGA nanoparticles: Association with pro-apoptotic and anti-apoptotic gene expression signatures”.
12. Noura H Abd Ellah, Jalan A Abdel-Aleem, Mariana N Abdo, Ola F Abou-Ghadir, Kamal M Zahran, Helal F.Hetta. **International Journal of Pharmaceutics** **567 (2019) 118472**. “Efficacy of ketoconazole gel-flakes in treatment of vaginal candidiasis: Formulation, in vitro and clinical evaluation”.

13. Ahmed M Abbas, Noura H Abd Ellah, Meret Ayad, Mohamed Abdellah. **Fertility and Sterility** 112 (3) (2019) e306. Self-administered vaginal lidocaine in-situ gel prior to intrauterine device insertion is an effective analgesic in women with no previous vaginal delivery.
14. Noura H Abdellah, Hesham Tawfeek, James John, Helal F Hetta. **Nanomedicine** 14 (11) (2019) 1471-1491. "Nanomedicine as a future therapeutic approach for Hepatitis C virus".
15. Noura H Abd Ellah, Esraa A Ahmed, Rasha B Abd-ellatief, Marwa F Ali, Asmaa M Zahran, Helal F Hetta. **International Journal of Nanomedicine** 14 (2019) 2383-2395. "Metoclopramide nanoparticles modulate immune response in a diabetic rat model: association with regulatory T cells and proinflammatory cytokines".
16. Sara A. Abouelmagd, Noura H. Abd Ellah, Omar Amen, Alshaimaa Abdelmoez, Noha G. Mohamed. **International Journal of Pharmaceutics** 562 (2019) 76–85. "Self-assembled tannic acid complexes for pH-responsive delivery of antibiotics: Role of drug-carrier interactions". <https://doi.org/10.1016/j.ijpharm.2019.03.009>
17. Abd Ellah, N.H., Abd El-Aziz, F. A., Abouelmagd, S.A., Abd El-Hamid, B.N., Hetta, H.F. **Drug Development Research** (2019) 1-11. "Spidroin in carbopol-based gel promotes wound healing in earthworm's skin model".
18. Ahmed M.Abbas, Ebtahal Ragab, Noura H.Abd Ellah, Ali Sabra, Shymaa S.Ali, Ahmed Mohamed, Ali H.Yosef. **Journal of Gynecology Obstetrics and Human Reproduction** (2019) S2468-7847 (19) 30007-8. "Effect of topical glyceryl trinitrate cream on pain perception during intrauterine device insertion in multiparous women: A randomized double-blinded placebo-controlled study". DOI: 10.1016/j.jogoh.2019.03.007
19. Sayed Ismail, Mona El-Mahdy, Noura Hassan Abd Ellah, Dina Adel Abdelmalek. **Drug Development and Industrial Pharmacy** (2018) 1-13. "Oil-entrapped Ranitidine HCl Beads Heal Peptic Ulcers Via Local and Systemic Mechanisms". DOI: 10.1080/03639045.2018.1529785
20. Noura H. Abd Ellah, Sara A. Abouelmagd, Ahmed M. Abbas, Omar M. Shaaban, Khaled M.A. Hassanein. **International Journal of Pharmaceutics** 538 (2018) 279–286. "Dual-responsive lidocaine in situ gel reduces pain of intrauterine device insertion". Doi: 10.1016/j.ijpharm.2018.01.033
21. Abbas AM, Abdellah MS, Khalaf M, Bahloul M, Abdellah NH, Ali MK, Abdelmagied AM. **Contraception**, 95(3) (2017):251-256. " Effect of cervical Lidocaine-Prilocaine cream on pain perception during copper T380A intrauterine device insertion among parous women: a randomized double-blind controlled trial". doi: 10.1016/j.contraception.2016.10.011

22. Noura H. Abd Ellah and Sara A. Abouelmagd. **Expert Opinion on Drug Delivery**, 27 (2016) 1-14. "Surface functionalization of polymeric nanoparticles for tumor drug delivery: approaches and challenges". doi: 10.1080/17425247.2016.1213238
23. N H Abd Ellah, L Taylor, N Ayres, M M Elmahdy, G N Fetih, H N Jones, E A Ibrahim, G M Pauletti. **Cancer Gene Therapy**, 23 (5) (2016) 149-155. "NF- $\kappa$ B decoy polyplexes decrease P-glycoprotein-mediated multidrug resistance in colorectal cancer cells". doi: 10.1038/cgt.2016.17
24. Noura Abd Ellah, Leeanne Taylor, Weston Troja, Kathryn Owens, Neil Ayres, Giovanni Pauletti, Helen Jones. **PLoS One**, 10 (10) (2015). "Development of Non-Viral, Trophoblast-Specific Gene Delivery for Placental Therapy". doi: 10.1371/journal.pone.0140879
25. Omar M. Shaaban, Ahmed M. Abbas, Gehan N. Fetih, Noura H. Abdellah, El-sayed A. Ibrahim, Ahmed Nasr, Sherif M. Badran, Sayed A. Abdellah. **Journal of Genital System & Disorders**, 4 (3) (2015). "Once Daily In-Situ Forming Versus Twice-Daily Conventional Metronidazole Vaginal Gels for Treatment of Bacterial Vaginosis: A Randomized Controlled Trial".
26. Noura H. Abd Ellah, Leeanne Taylor, Neil Ayres, Mona M. Elmahdy, Gihan N. Fetih, El-Sayed A. Ibrahim, Giovanni M. Pauletti. **International Journal of Pharma Sciences and Research**, 5 (11) (2014) 812-819. "Increased Transfection Efficiency of Lipid- Coated Methacrylate-Based Gene Delivery Systems".
27. Noura H Abd Ellah, Sarah J Potter, Leeanne Taylor, Neil Ayres, Mona M Elmahdy, Gihan N Fetih, El-Sayed A Ibrahim, Giovanni M Pauletti. **Journal of Pharmaceutical Technology & Drug Research**, 3 (2014) 9. "Safety and efficacy of amine-containing methacrylate polymers as nonviral gene delivery vectors"
28. El-Sayed Ali Ibrahim, Sayed Ismail, Gihan Fetih, Omar Shaaban, Khaled Hassanein, Noura Hassan Abdellah. **Acta Pharm.** 62 (2012) 59–70. "Development and characterization of thermosensitive pluronic-based metronidazole in situ gelling formulations for vaginal application"
29. Omar M Shaaban, Gihan N Fetih, Noura H Abdellah, Saeyd Ismail, Maggie A Ibrahim, El-sayed A Ibrahim. **Journal of Obstetrics and Gynaecology Research**, 37(7) (2011) 874–881. "Pilot randomized trial for treatment of bacterial vaginosis using in situ forming metronidazole vaginal gel".

#### Published chapters

1. Abd Ellah N.H., Khalil I.A., Harashima H. (2021) Non-viral Gene Delivery. In: Talevi A. (eds) **The ADME Encyclopedia**. Springer, Cham. [https://doi.org/10.1007/978-3-030-51519-5\\_116-1](https://doi.org/10.1007/978-3-030-51519-5_116-1)
2. Abouelmagd, S.A., Abd Ellah, N.H., and Abd EL Hamid, B.N. Chapter at **Woodhead Publishing (Elsevier (2019))**. Temperature and pH dual-stimuli responsive polymeric

carriers for drug delivery. In: Makhoulf, A.H., and Abu-Thabit, N.Y. (Ed.), Stimuli responsive polymeric nanocarriers for drug delivery applications.

### Poster presentations

1. Safety and Efficacy of Methacrylate-based Polymers as Nonviral Gene Vectors, Noura H Abd Ellah, Sarah J Potter, Leeanne Taylor, Neil Ayres, Mona M Elmahdy, Gihan N Fetih, El-Sayed A Ibrahim, Giovanni M Pauletti, **2014 West Virginia University School of Pharmacy Regional Research Forum** co-sponsored by the AAPS and ISPOR WVU Student Chapters in Morgantown, **West Virginia, USA**.
2. NF- $\kappa$ B Decoy Polyplexes Reverse P-glycoprotein-mediated Multidrug Resistance in Colorectal Cancer Cells, NH Abd Ellah, L Taylor, N Ayres, M M Elmahdy, G N Fetih, H N Jones, E A Ibrahim, G M Pauletti, **2014 West Virginia University School of Pharmacy Regional Research Forum** co-sponsored by the AAPS and ISPOR WVU Student Chapters in Morgantown, **West Virginia, USA**.
3. NF- $\kappa$ B Decoy Polyplexes Reverse P-glycoprotein- Mediated Multidrug Resistance in Colorectal Cancer Cells, NH Abd Ellah, L Taylor, N Ayres, M M Elmahdy, G N Fetih, H N Jones, E A Ibrahim, G M Pauletti, **2014 AAPS Annual Meeting and Exposition in San Diego, California, USA**.
4. Increased Transfection Efficiency of Lipid-coated Methacrylate-based Gene Delivery Systems, Noura H. Abd Ellah, Leeanne Taylor, Neil Ayres, Mona M. Elmahdy, Gihan N. Fetih, El-Sayed A. Ibrahim, Giovanni M. Pauletti, **2014 AAPS Annual Meeting and Exposition in San Diego, California, USA**.
5. DNA/Copolymer Nanostructures for Placenta- specific Gene Delivery, Noura Abd Ellah, Leeanne Taylor, Weston Troja, Kathryn Owens, Neil Ayres, Giovanni Pauletti, Helen Jones, **2013 AAPS Annual Meeting and Exposition in San Antonio, Texas, USA**.
6. Selection of Methacrylate-based Cationic Polymers for Fabrication of “Safe” Gene Delivery Systems, Noura H Abd Ellah, Sarah J Potter, Leeanne Taylor, Neil Ayres, Mona M Elmahdy, Gihan N Fetih, El-Sayed A Ibrahim, Giovanni M Pauletti, **2013 AAPS Annual Meeting and Exposition in San Antonio, Texas, USA**.
7. Comparison of the effect of Nano-metoclopramide to metoclopramide on the kidney of diabetic rats, Noura H Abd Ellah, Esraa A. Ahmed, Rasha B. Abd-Ellatief , Marwa F. Ali, Helal F. Hetta, **2018 Male Health: Basic and Practice, Faculty of Medicine, Assiut University, Egypt**.



8. Self-administered lidocaine-dual responsive in situ gel for IUD insertion pain: Development, evaluation and randomized placebo-controlled trial. Noura H. Abd Ellah, Sara A. Abouelmagd, Ahmed M. Abbas, Omar M. Shaaban, Khaled M.A. Hassanein, **2018 Assiut University 11<sup>th</sup> International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, April, 11<sup>th</sup> & 12<sup>th</sup>.**
9. Site-specific delivery of ranitidine hydrochloride using floating oil entrapped beads: In vitro- In vivo evaluation. Sayed Ismail, Mona El-Mahdy, Noura Hassan Abd Ellah, Dina Adel Abdelmalek, **2018 Assiut University 11<sup>th</sup> International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, April, 11<sup>th</sup> & 12<sup>th</sup>.**
10. Optimization of preparation of polymeric nanoparticles using microfluidics, Abdelkarim, M., Abd Ellah, N. H., Elsabahy, M., Abouelmagd, S. A., Abdelgawad, M., **2018 MicroTAS in Kaohsiung, Taiwan (November 11th -15th, 2018).**
11. Effect of self-administered lidocaine in-situ gel on intrauterine device insertion pain: A randomized controlled trial. Ahmed M Abbas, Shymaa Ali, Noura H Abd Ellah, Omar M Shaaban, 2019 American Society for Reproductive Medicine. American Society for Reproductive Medicine (ASRM) **2019 Scientific Congress and Expo** is organized by American Society for Reproductive Medicine (ASRM) and will be held from Oct 12 - 16, **2019 at Pennsylvania Convention Center, Philadelphia, Pennsylvania, USA.**
12. Self- administered vaginal lidocaine in-situ gel prior to intrauterine device insertion is an effective analgesic in women with no previous vaginal delivery. Ahmed M Abbas, Noura H Abd Ellah, Meret Ayad, Mohamed Abdellah, 2019 American Society for Reproductive Medicine. American Society for Reproductive Medicine (ASRM) **2019 Scientific Congress and Expo** is organized by American Society for Reproductive Medicine (ASRM) and will be held from Oct 12 - 16, **2019 at Pennsylvania Convention Center, Philadelphia, Pennsylvania, USA.**
13. Tannic acid as a pH-responsive carrier for cationic antibiotics. Abouelmagd, S. A., Abd Ellah, N. H., Amen, O., Abdelmoez, A., Mohamed, N. G., **2019 The International Conference on Pharmaceutical and Healthcare Sciences, Alexandria, Egypt, November 6<sup>th</sup>-7<sup>th</sup>.**

## Training and workshops:

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- 2019      Recent advanced techniques for general analysis and green technology workshop, Drug research center, Assiut University, Assiut, Egypt.
- 2018      Advanced and site-specific radiation safety training, University of Cincinnati Radiation Control and Safety Program, Medical Science Building, Cincinnati University, Ohio, USA.
- 2018      Radioactive material Basic Training, Medical Science Building, Cincinnati University, Ohio, USA.
- 2018      Hazardous Waste Training, Cincinnati University, Ohio, USA.
- 2018      Bloodborne Pathogens Training, Cincinnati University, Ohio, USA.
- 2018      Hazard Communication Training, Cincinnati University, Ohio, USA.
- 2018      Scientific research funding and grants (15 hours), Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2018      Research ethics (15 hours), Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2018      Design and conduct scientific research (15 hours), Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2018      Updates in management of obesity and pediatric nutrition, Assiut University Administrative Building, Assiut University, Assiut, Egypt.
- 2017      E-learning-advanced (15 hours), Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2017      How to activate the E-course (15 hours), Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2017      How to design the E-course (15 hours), Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2013      Zesis Confocal imaging; Medical Center, Imaging Facility, University of Cincinnati, Ohio, USA.
- 2012      OSHA/Lab Compliance Training (Hazard Communication & Bloodborne Pathogens Training), Winkle College of Pharmacy, Cincinnati University, Ohio, USA.

- 2012 Cell culture training, Winkle College of Pharmacy, Cincinnati University, Ohio, USA.
- 2012 Conference organization, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2012 University administration, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2012 Time and conference management, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2011 Quality standards in teaching, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2011 Research team management, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2010 International publishing research, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2007 Effective presentation, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2006 Legal aspects in university environment, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2006 Effective teaching, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2006 Communication skills, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2006 Thinking skills, Faculty and leadership development center-Assiut University, Assiut, Egypt.
- 2005 Quality control in pharmaceutical industry, Quality control Unit, T3A Pharmaceutical, Assiut, Egypt.
- 2004-2005 Summer community pharmacy training, Assiut, Egypt.

**Activities:**

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- 2018 RAM radiation worker under University of Cincinnati Radiation Control and Safety Program, Winkle College of Pharmacy, Cincinnati University, Ohio, USA.
- 2018 Member of poster committee at Assiut University 11th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, April, 11<sup>th</sup> & 12<sup>th</sup>.
- 2017 Member of postgraduate exam committee, Faculty of Pharmacy, Assiut University, Egypt.
- 2015/2018 Member of undergraduate exam committee, Faculty of Pharmacy, Assiut University, Egypt.
- 2010 Organizing a student trip inside Egypt for Pharmacy students, Faculty of Pharmacy, Assiut University, Egypt.

**Language**

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Mother language: Arabic  
Other languages: English

**Licensure**

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Registered Pharmacist (licensed by the General Pharmacists Syndicate, Cairo, Egypt).