

Curriculum Vitae



I- Personal information:

1) Full Name:	▪ Shady Mohammed Abd El-Halim Mohammed
2) Title:	▪ Associate professor of pharmaceutics and industrial pharmacy
3) Nationality:	▪ Egyptian
4) Date of birth:	▪ 1/11/1982
5) Place of birth:	▪ Port Said, Egypt.
6) Marital status:	▪ Married
7) Address:	▪ Faculty of Pharmacy, October 6 University
8) E-Mail:	▪ Shady_mohammed@o6u.edu.eg
9) H-Index (according to Scopus):	▪ 7
10) Website:	▪ https://scholar.google.com/citations?hl=en&user=VKensG8AAAAJ&view_op=list_works&gmla=AJ1KiT0DIlhT9jY54sme9Yz6XOdDvnpnWJ-GbX-E7GGF1TmjNn6I0UAR1kHYNBSkEmchPfMQ0-13fCSQfGQqsT14
11) ORCID:	▪ 0000-0002-2716-4676
12) Scopus author ID:	▪ 56816980300

II- Education:

- Doctor of philosophy degree in Pharmaceutical Sciences, Pharmaceutics and Industrial Pharmacy department, Faculty of Pharmacy, Cairo University, Cairo, Egypt, 2015. Thesis titled as “Fast Dissolving Systems for an Angiotensin Receptor Blocker”.
- Master’s degree in Pharmaceutical Sciences, Pharmaceutics and Industrial Pharmacy department, Faculty of Pharmacy, Cairo University, Cairo, Egypt, 2010. Thesis titled as “A Pharmaceutical Study on Controlled-Release Salbutamol Sulphate Tablets”.
- Bachelor of Pharmaceutical Sciences, Faculty of Pharmacy, October 6 University, Giza, Egypt, class of 2004, graded “Excellent with honor”.
- Assoc. Prof. (Supreme Council of Universities, 2022)



III- Professional occupations:

- Demonstrator of Pharmaceutics and Industrial pharmacy, Faculty of Pharmacy, October 6 University, (2004-2010).
- Assistant lecturer of Pharmaceutics and Industrial pharmacy, Faculty of Pharmacy, October 6 University, (2010-2015).
- Lecturer of Pharmaceutics and Industrial pharmacy, Faculty of Pharmacy, October 6 University, (2015-2022).
- Assoc. Prof. of Pharmaceutics and Industrial pharmacy, Faculty of Pharmacy, October 6 University, (2022-present).

IV- Experience:

a) Teaching experience:

- Theoretical and practical teaching of different courses for the undergraduates from 2004 to present such as physical pharmacy, pharmaceutics 1, pharmaceutics 2, pharmaceutics 3, pharmaceutical quality control, preformulation, cosmetics, and hospital pharmacy.

b) Research experience and list of publications:

- Research work concerned with construction of practical design, development of pharmaceutical formulations, writing and publication of scientific articles.
- Area of research includes Lipid based drug delivery nano-systems, Polymeric nano particles, Self-nanoemulsifying drug delivery systems, Polymeric mixed micelles, and Matrix tablets.
- Publications:
 - ✓ Soliman SM, Teaima MH, Rashwan KO, Ali BM, Jasti BR, El-Nabarawi MA, et al. The deleterious effect of xylene-induced ear edema in rats: Protective role of dexketoprofen trometamol transdermal invasomes via inhibiting the oxidative stress/NF- κ B/COX-2 pathway. *Int J Pharm.*, 2023;631:122525. <https://doi.org/10.1016/j.ijpharm.2022.122525>
 - ✓ Mostafa MM, Amin MM, Zakaria MY, Hussein MA, Shamaa MM, Abd El-Halim SM. Chitosan Surface-Modified PLGA Nanoparticles Loaded with Cranberry Powder Extract as a Potential Oral Delivery Platform for Targeting Colon Cancer Cells. *Pharmaceutics.* 2023;15(2):1–23.
 - ✓ Mostafa M, Amin M, M. Abd El-Halim S. Polymeric Nanoparticles As Anticancer Drug Delivery Systems of Certain Phytochemicals: a Comprehensive Overview. *Bull Pharm Sci Assiut.* 2023;46(2):1–28.
 - ✓ Zakaria MY, Abd El-Halim SM, Beshay BY, Zaki I, Abourehab MAS. ‘Poly phenolic phytoceutical loaded nano-bilosomes for enhanced caco-2 cell permeability and SARS-CoV 2 antiviral activity’: in-vitro and insilico studies. *Drug Deliv.* 2023;30(1):Article No. 2162157, 1-13. <https://doi.org/10.1080/10717544.2022.2162157>
 - ✓ Alkhursani, S.A., Ghobashy, M.M., Al-gahtany, S.A., Meganid, A.S., Abd El-Halim, S.M., Ahmad, Z., Khan, F.S., Abdel, G., Atia, N., Cavalu, S. Application of Nano-Inspired Scaffolds-Based Biopolymer Hydrogel for Bone and Periodontal Tissue Regeneration. *Polymers.* 2022;14(18):Article No. 3791, 1-43. [doi:https://doi.org/10.3390/polym14183791](https://doi.org/10.3390/polym14183791)
 - ✓ Soliman, S.M.; Mosallam, S.; Mamdouh, M.A.; Hussein, A.; El-halim, S.M.A.; Soliman, S.M.; Mosallam, S.; Mamdouh, M.A.



Design and optimization of cranberry extract loaded bile salt augmented liposomes for targeting of MCP-1 / STAT3 / VEGF signaling pathway in DMN-intoxicated liver in rats. *Drug Deliv.* 2022, 29, 427–439, doi:10.1080/10717544.2022.2032875.

- ✓ Abd El-Halim, S.M.; Mamdouh, M.A.; Eid, S.M.; Ibrahim, B.M.M.; Labib, D.A.A.; Soliman, S.M. The potential synergistic activity of zolmitriptan combined in new self-nanoemulsifying drug delivery systems: ATR-FTIR real-time fast dissolution monitoring and pharmacodynamic assessment. *Int. J. Nanomedicine* 2021, 16, 6395–6412, doi:10.2147/IJN.S325697.
- ✓ Abd El-Halim, S.M.; Abdelbary, G.A.; Amin, M.M.; Zakaria, M.Y.; Shamsel-Din, H.A.; Ibrahim, A.B. Stabilized oral nanostructured lipid carriers of Adefovir Dipivoxil as a potential liver targeting: Estimation of liver function panel and uptake following intravenous injection of radioiodinated indicator. *DARU, J. Pharm. Sci.* 2020, 28, 517–532, doi:10.1007/s40199-020-00355-8.
- ✓ Abd El-Halim, S.M.; Mamdouh, M.A.; El-haddad, A.E.; Soliman, S.M. Fabrication of anti- HSV- 1 curcumin stabilized nanostructured proniosomal gel: Molecular docking studies on thymidine kinase proteins. *Sci. Pharm.* 2020, 88, 1–16, doi:10.3390/scipharm88010009.
- ✓ Soliman, S.M.; Sheta, N.M.; Ibrahim, B.M.M.; El-Shawwa, M.M.; Abd El-Halim, S.M. Novel intranasal drug delivery: Geraniol charged polymeric mixed micelles for targeting cerebral insult as a result of Ischaemia/Reperfusion. *Pharmaceutics* 2020, 12, 1–22, doi:10.3390/pharmaceutics12010076.
- ✓ Amin, M.M.; El Gazayerly, O.N.; Abd El-Gawad, N.A.; Abd El-Halim, S.M.; El-Awdan, S.A. Effect of formulation variables on design, in vitro evaluation of valsartan SNEDDS and estimation of its antioxidant effect in adrenaline-induced acute myocardial infarction in rats. *Pharm. Dev. Technol.* 2015, 21, 909–920, doi:10.3109/10837450.2015.1078354.
- ✓ El-halim, S.M.A.; Amin, M.M.; Gazayerly, O.N. El; El, N.A.A. Screening of Different Oils, Surfactant and Solidifying Agents A certain weight of each oil (Capmul® MCM, Capryol™ 90, Labrafil® M 1944 and Labrafac® PG) together with Cremophor® RH 40 (surfactant) were mixed in a. *Inven. Rapid NDDS*, 2015, 1–7.
- ✓ M. Abd El-Halim, S.; Amin, M.; El Gazayerly, O.; Abd El Gawad, N. Salbutamol sulphate controlled Release hydrophilic matrix tablets. *RGUHS J. Pharm. Sci.* 2011, 1, 194–201, doi:10.5530/rjps.2011.3.4.
- ✓ Abd El-Halim, S.M.; Amin, M.M.; El-Gazayerly, O.N.; Abd El-Gawad, N.A. Comparative study on the different techniques for the preparation of sustained-release hydrophobic matrices of a highly water-soluble drug. *Drug Discov. Ther.* 2010, 4, 484–492.

c) Training and Attendance of conferences :

▪ **Conferences:**

- ✓ Attending the 2nd International Conference of Pharmaceutical Sciences, “Future Perspectives on Drug Research and Sustainable Development” College of Pharmaceutical Sciences & Drug Manufacturing, Must University, with poster presentation entitled “The deleterious effect of xylene-induced ear edema in rats:



Protective role of dexketoprofen trometamol transdermal invasomes via inhibiting the oxidative stress/NF- κ B/COX-2 pathway”, on July 11th-12th, 2023, Egypt.

- ✓ Participating by attendance in: The International Conference on Pharmaceutical Technologies (Pharmaconex) which took place from 8-10 April 2017 at Cairo International Convention Center (CICC), Cairo, Egypt.
- ✓ Poster presentation title: Liquisolid self nano-emulsified drug delivery systems of an angiotensin II antagonist: In-vitro and in-vivo performance: 2015 AAPS Annual Meeting and Exposition. October 25–29, 2015 Orange County Convention Center, Orlando, USA.
- ✓ Poster presentation title: “Design and in-vitro evaluation of solid self nano-emulsifying drug delivery systems (SSNEDDS) for BCS class II drug valsartan” in the 5th International Scientific Conference of Faculty of Pharmacy; "Pharmacy at the Cutting-Edge: Facing Future Challenges", held at Cairo University, Cairo, Egypt on April 23rd-24th, 2014.
- ✓ Participating by attendance in: XXXII Conference of Pharmaceutical Sciences, held by “The Egyptian Pharmaceutical Society” on December 2011 at Cairo University, Cairo, Egypt.
- ✓ Poster presentation title: “Preparation and Evaluation of Controlled Release Salbutamol Sulphate Hydrophilic Matrix Tablets”: 2nd Scientific Conference of Faculty of Pharmacy, Cairo University, April 26th, 2010.

▪ **Workshops:**

- ✓ Introduction to credit hours and academic guidance, held on February 28th, 2015, Quality assurance, and accreditation center, October 6 University.
- ✓ Writing effective exam questions: Learning domains and construction of valid and reliable exams. Optimize your questions and write an effective exam, accredited by the Faculty of Pharmacy, October 6 University, held on April 16th, 2018.
- ✓ How to benefit from exams' results analysis, accredited by the Faculty of Pharmacy, October 6 University, held on 16/11/2020.
- ✓ Microsoft Kaizala application, held on 17&30/11/2020 at the Faculty of Pharmacy, October 6 University.
- ✓ Scientific research based on scientific indicators to improve your personal ranking, held on 23/12/2020 & 10/01/2021 at the Faculty of Pharmacy, October 6 University.
- ✓ Online zoom meeting for staff members of Faculty of Pharmacy, October 6 University, titled “Microsoft Team as a good tool for interactive learning”, held on 18/01/2021
- ✓ National Academic Reference Standards (NARS 2017), held on 02/06/2021 at the Faculty of Pharmacy, October 6 University.
- ✓ How to use endnote, held on 11/08/2021 at the Faculty of Pharmacy, October 6 University.
- ✓ Crisis and Disaster Management, held on 18/08/2021 at the Faculty of Pharmacy, October 6 University.
- ✓ Webinar by eChalk Talks: AAPS titled “Lipid-based Nanocarriers for Oral Peptide Delivery”, held on 08/09/2021.
- ✓ The Awareness and Training Committee of the Quality Assurance



Unit, Faculty of Pharmacy, October 6 University, held a seminar entitled: "Measure of Infection Control", on 06/10/2021.

- ✓ Online zoom meeting for staff members of Faculty of Pharmacy, October 6 University, titled "Access Pharmacy – Pharmacy Educational Resource", held by McGraw Hill Medical on 11/03/2022
- ✓ Webinar by Springer Nature, Egyptian knowledge bank and STDF titled "Open access for Egypt", held on 15/03/2022.
- ✓ The Awareness and Training Committee of the Quality Assurance Unit in cooperation with the Committee for Community Service and Environmental Development, Faculty of Pharmacy, October 6 University, held a seminar entitled: "Viral Vaccines, in particular COVID-19: Rumors vs. Facts and Real Science", on 16/03/2022.
- ✓ Webinar by eChalk Talks: AAPS, titled "Avoid getting "lost in translation" - Increase confidence in translational research using biosimulation", held on September 28th, 2022.
- ✓ Webinar by IVPN Network, titled "The Pharmacoeconomics of Chronic Diseases", held on October 4th, 2022.
- ✓ Pharmaceutics Webinar by MDPI, titled "3D Printing in Pharmaceutics and Personalized Medicine", held on October 5th, 2022.
- ✓ Designing More Efficient and Effective Experiments for Researchers, on July 11th-12th, 2023, Egypt.

▪ **Training courses:**

- ✓ Clinical Practice for Pharmacists (Clinical Pharmacology), accredited by the medical training department in Bolak El-Dakroun General Hospital, and held from 18/07/2004 to 07/08/2004.
- ✓ The preparation of the newly graduated pharmacist for the labor market (Shape Your Future), held by Pharmacists Syndicate of Egypt from 16/07/2005 to 21/07/2005.
- ✓ International Computer Driving License (ICDL), all modules, accredited by United Nations Educational, Scientific, and Cultural Organization and the Ministry of Communications and Information Technology, held by CDH center on 08/02/2009.
- ✓ Development of the skills and abilities of the faculty members, held on 16-20/03/2012 at the Faculty of Pharmacy, October 6 University and accredited by October 6 University and Helwan University.
- ✓ Learning outcomes and curriculum maps for higher education institutions, accredited by National Authority for Quality Assurance and Accreditation of Education (NAQAEE), held from 06/12/2012 to 10/12/2012.
- ✓ Teaching methods, accredited by Quality assurance and accreditation center, O6U, held on March 2013.
- ✓ Teaching strategies and effective learning, accredited by National Authority for Quality Assurance and Accreditation of Education (NAQAEE), held from 16/11/2015 to 17/11/2015.
- ✓ Effective academic writing, accredited by Nature Research and Egyptian Knowledge Bank, held on May 8th, 2018.
- ✓ Exams' systems and students' assessment methods, accredited by National Authority for Quality Assurance and Accreditation of Education (NAQAEE), held from 09/05/2016 to 10/05/2016.
- ✓ Education programs and courses specifications and evaluation of



- learning outcomes for higher education institutes, accredited by National Authority for Quality Assurance and Accreditation of Education (NAQAAE), held from 27/09/2016 to 29/09/2016.
- ✓ Self-evaluation for higher education faculties and institutes, accredited by National Authority for Quality Assurance and Accreditation of Education (NAQAAE), held from 07/03/2017 to 09/03/2017.
 - ✓ Self-evaluation for higher education faculties and institutes, accredited by National Authority for Quality Assurance and Accreditation of Education (NAQAAE), held from 12/03/2019 to 14/03/2019.
 - ✓ Essential of integrated education, accredited by Faculty and Leadership Development Center (FLDC), Cairo university, held from 23/06/2021 to 24/06/2021.
 - ✓ International publishing of scientific research, accredited by Faculty and Leadership Development Center (FLDC), Cairo university, held from 23/06/2021 to 24/06/2021.
 - ✓ Preparing of a university staff member, accredited by Training and Continuing Center, October 6 University, held from 11/07/2021 to 13/07/2021.
 - ✓ Fundamentals of Digital Transformation Certificate (FDTC), Modules: Word Processing, Presentations, and Mobile Applications, accredited by Center of Knowledge and e-Services, Supreme Council of Universities, July 2021.
 - ✓ 24th IVPN-AR titled: “The Art and Science of Medications' Patient Counseling”, accredited by IVPN Network, held on July 17th, 2021.
 - ✓ Exams and students’ evaluation systems, accredited by Faculty and Leadership Development Center (FLDC), Cairo university, held from 09/10/2021 to 10/10/2021.
 - ✓ Decision making and problem solving, accredited by Faculty and Leadership Development Center (FLDC), Cairo university, held from 13/10/2021 to 14/10/2021.
 - ✓ Critical thinking, accredited by Faculty and Leadership Development Center (FLDC), Cairo university, held from 13/10/2021 to 14/10/2021.
 - ✓ 36th IVPN-AR titled: “Parenteral Nutrition Role in Pediatrics and Neonates”, accredited by IVPN Network, held on November 15th, 2021.
 - ✓ Workshop titled “Exam systems and students’ evaluation”, Accredited by Faculty of Pharmacy, October 6 University, held on May 7th, 2022.
 - ✓ Workshop titled “Strategies for effective teaching and learning”, Accredited by October 6 University, held on May 7th, 2022.
 - ✓ Workshop titled “Analyzing the objective questions from the theoretical exams and their feedback”, Accredited by October 6 University, held on October 3rd, 2022.
 - ✓ Workshop titled “Course specification, report, and learning outcomes assessment matrix”, Accredited by Faculty of Pharmacy, October 6 University, held on October 5th, 2022.
 - ✓ Workshop titled “Accelerate Your Science Research and Education Through JoVE”, Accredited by Faculty of Pharmacy, October 6 University, held on October 11th, 2022.



- ✓ Workshop titled “First aid”, Accredited by Faculty of Pharmacy, October 6 University, held on November 23rd, 2022.
- ✓ Awareness titled “Erasmus”, Accredited by Faculty of Pharmacy, October 6 University, held on December 5th, 2022.
- ✓ Workshop titled “Principles of good pharmacovigilance”, Accredited by Faculty of Pharmacy, October 6 University, held on December 6th, 2022.
- ✓ Workshop titled “course report”, Accredited by Faculty of Pharmacy, October 6 University, held on February 13th, 2023.
- ✓ Workshop titled “strategic planning and calculating relative weights”, Accredited by October 6 University, held on May 9th, 2023.
- ✓ Workshop titled “Benefits of Vitamin D Supplementation”, Accredited by Faculty of Pharmacy, October 6 University, held on August 7th, 2023.

V- Awards:

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VI- Memberships in the committee:

- Former member of the pilot production unit of the Faculty of Pharmacy, October 6 University.
- Member of Quality Assurance Unit of the Faculty of Pharmacy, October 6 University since 2010 to present.
- Head of the internal auditing and reporting committee of the Faculty of Pharmacy, October 6 University.

VII- Other activities:

- Supervising MSc thesis entitled:
 - Formulation and evaluation of skeletal muscle relaxant drug in certain topical dosage forms. A thesis studied by Yasmin Mohammed Mahmoud, Faculty of Pharmacy, Cairo University.
 - A pharmaceutical study on certain beta 1 blocker drug. A thesis studied by Mostafa Ashraf Zed, Faculty of Pharmacy, October 6 University.
- Participating in students’ activities and projects in the Faculty of Pharmacy, October 6 University as training the students on how to use High-Performance Liquid Chromatography and Medium-Pressure Liquid Chromatography.
- Participating in the accreditation of the Faculty of Pharmacy, October 6 University by National Authority for Quality Assurance and Accreditation of Education (NAQAAE) in 2014 and reaccreditation in 2019.
- Head of academic standards and educational programs and teaching, learning and evaluation standards in the Faculty of Pharmacy, October 6 University.
- Co-development of the college's strategic plan and its executive plan as well as the self-study of the Faculty of Pharmacy, October 6 University.
- Updating the credit hour program of the Faculty of Pharmacy, October 6 University in accordance with the competency based National Academic Reference Standards (NARS 2017).
- Co-development of the Pharm-D and Pharm-D clinical programs’ specifications in the Faculty of Pharmacy, October 6 University in accordance with the competency based National Academic Reference Standards (NARS 2017).
- Participating in the development of field training program in the Faculty of Pharmacy, October 6 University.



كلية الصيدلة
Faculty of Pharmacy



جامعة ٦ أكتوبر
October 6 University

- Reviewing the pharmaceuticals and industrial pharmacy master's degree program specifications of the Faculty of Pharmacy, October 6 University and making the necessary modifications.