Curriculum Vitae

- **Name: Hassan Medhat Rashed**
- **Title: Associate Professor of Radiopharmaceutics**
- **Department: Pharmaceutics**
- **E-mail: Hassan.medhat@su.edu.eg**

A) Academic Qualifications:

- Bachelor's Degree in **Pharmaceutical Sciences** University: **Ain-Shams** Year: **2006**
- Master Degree in **Pharmaceutics** University: **Cairo** Year: **2011**
- Ph.D in **Pharmaceutics** University: **Cairo** Year: **2015**

B) Academic promotions:

- Demonstrator, Date: 2007
- Assistant Lecturer, Date: 2011
- Lecturer, Date: 2015
- Associate Professor, Date: 2020

C) Scientific Merit:

- Google Scholar: **https://scholar.google.com.eg/citations?user=F57mBkAAAAAJ&hl=en**
- Scopes ID: **55293092600**
- Citations: **517** h-index: **11** i10-index: **12**
- Orcid ID: **0000-0003-0325-6434**

D) Academic Administrative Experiences:

1- Associate professor of pharmaceutics, Faculty of Pharmacy, Sinai University, Kantara, Egypt. August 2020 till now

2- Assistant Professor of pharmaceutics, Faculty of Pharmacy, Sinai University, Kantara, Egypt. September 2019 till July 2020

3- Assistant Professor of Radiopharmaceutics, Department of Labeled Compounds, Egyptian Atomic Energy Authority. February 2015 till July 2020

4- Part time Assistant professor of pharmaceutics, Faculty of Pharmacy, Ahram Canadian University, Cairo, Egypt. October 2018 – May 2019

5- Assistant Lecturer of Radiopharmaceutics, Department of Labeled Compounds, Egyptian Atomic Energy Authority. October 2011 – February 2015

6- Teaching Assistant of Radiopharmaceutics, Department of Labeled Compounds, Egyptian Atomic Energy Authority. July 2007 – October 2011

E) Scientific Activities

1- Training Courses/workshops:

1- "Quality control of pharmaceutical products", 1-15 February 2006, Kahira Pharmaceuticals & Chemical Industries Company, Egypt.

2- "Radiation protection and dealing with radioactive materials", 13 January-14 February 2008, Egyptian Atomic Energy Authority, Egypt.

3- "Production and quality control of radioisotopes and radiological protection", August- December 2008, Ezeiza Atomic Center, Argentina.

4- "Production of Radiopharmaceuticals for Diagnosis and Treatment", 1-5 October 2010, Arabic Atomic Energy Agency, Egypt.

5- "Quality Assurance in Radiopharmaceuticals Laboratories", 8-12 April 2012, Arabic Atomic Energy Agency, Egypt.

6- "Usage of Radiation Techniques in Nanotechnology and other Applications", 24-29 April 2017, Arabic Atomic Energy Agency, Tunisia.

7- "Regional AFRA Training Course on Radiopharmacy Operational Level III", 3-7 July 2017, International Atomic Energy Authority (IAEA), Morocco.

2- Conferences, Seminars and Workshops:

1- "International Conference of Photodynamic and Nanomedicine for Cancer Diagnosis and Therapy", 25-28 February 2012, German University, Cairo, Egypt.

2- "3rd FUE International Conference of Pharmaceutical Sciences", 9-11 February 2015, Future University, Cairo, Egypt.

3- "The Second International Conference of New Horizons in Basic and Applied Science", 1-6 August 2015, Asyut University, Hurghada, Egypt.

4- "The Nanosciences and Nanotechnology Symposium: Nanotechnology in Applied Research", 30 August 2016, Naqaa Foundation for Scientific Research, Giza, Egypt.

5- "Usage of nano and micro-sized materials in radioactive diagnosis and therapy", 6-10 November 2016, Middle Eastern Regional Radioisotope Centre for the Arab Countries)MERRCAC(, Cairo, Egypt.

6- "4th FUE International Conference of Pharmaceutical Sciences", 1-3 February 2017, Future University, Cairo, Egypt.

7- "German-Egyptian Network for Innovation and Development", 22-23 February 2017, Alexander von Humboldt-Foundation, Cairo, Egypt.

8- "1st Zewail City Conference and Exhibition on Biomedical Sciences", 21-22 April 2017, Zewail City of Science and Technology, Egypt.

3- Teaching Scopes:

Physical Pharmacy, Radiopharmaceuticals, Pharmaceutics I, Pharmaceutics III, Pharmaceutics IV, Cosmetics and Design of Dosage Forms & Quality Assurance courses.

4- Scientific supervision number:

Four accredited theses

5- Peer reviewing of scientific research/ Projects:

- Reviewer for "Cancer Biotherapy and Radiopharmaceuticals" journal.
- Reviewer for "Current Radiopharmaceuticals" journal.
- Reviewer for "Arabic Journal of Chemistry" journal.
- Reviewer for "Bioorganic Chemistry" journal.
- Reviewer for “Biomass Conversion and Biorefinery” journal.

F) Scientific Publications:

Last 10 year of published Scientific Papers

-International journals

1. "Preparation of radioiodinated ritodrine as a potential agent for lung imaging". Journal of Radioanalytical and Nuclear Chemistry, 300:1227-1233, (2014).
2. "^{99m}Tc-Zolmitriptan: Radiolabeling, Molecular Modeling, Biodistribution and Gamma Scintigraphy As a Hopeful Radiopharmaceutical for Lung Nuclear Imaging", La radiologia medica, 121(12): 935-943, (2016).
3. "Trans-nasal zolmitriptan novasomes: *in-vitro* preparation, optimization and *in-vivo* evaluation of brain targeting efficiency", Drug Delivery, 23(9): 3374-3386, (2016).
4. "Intranasal brain-targeted Clonazepam polymeric micelles for immediate control of status epilepticus: *in-vitro*

optimization, *ex-vivo* determination of cytotoxicity, *in-vivo* biodistribution and pharmacodynamics studies", Drug Delivery, 23(9): 3681-3695, (2016).

5. "Contribution of both olfactory and systemic pathways for brain targeting of nimodipine-loaded Lipo-pluronics micelles: *in vitro* characterization and *in vivo* biodistribution study after intranasal and intravenous delivery", Drug Delivery, 24(1): 181-187, (2017).
6. "^{99m}Tc-hexoprenaline and ^{131}I-dapoxetine: preparation, in silico modeling and biological evaluation as promising lung scintigraphy radiopharmaceuticals", Journal of Radioanalytical and Nuclear Chemistry, 314(2): 1297-1307, (2017).
7. "Preparation and biological profile of ^{99m}Tc-lidocaine as a cardioselective imaging agent using ^{99m}Tc eluted from ^{99}Mo/^{99m}Tc generator based on Al-Mo gel", Journal of Radioanalytical and Nuclear Chemistry, 314(3), 2091-2098, (2017).
8. "In silico-based repositioning of phosphinothricin as a novel technetium-99m imaging probe with potential anticancer activity", Molecules, 23(2), 496, (2018).
9. "Novel Hydrazide-Hydrazone and Amide Substituted Coumarin Derivatives: Synthesis, Cytotoxicity Screening, Microarray, Radiolabeling and *In vivo* Pharmacokinetic Studies", European Journal of Medicinal Chemistry, 151, 723-739, (2018).
10. "Preparation of ^{99m}Tc-Levetiracetam intranasal microemulsion as the first radiotracer for SPECT imaging of the Synaptic Vesicle Protein SV2A", European Journal of Pharmaceutical Sciences, 121, 29-33, (2018).
11. "Superiority of DEAE-Dx stabilized cationic bile-based vesicles over conventional vesicles for enhanced hepatic delivery of Daclatasvir", Mol. Pharmaceutics, 16(10), 4190-4199, (2019).
12. "Rational design of some substituted phenyl azanediyl (bis) methylene phosphonic acid derivatives as potential anticancer agents and imaging probes: Computational inputs, chemical synthesis, radiolabeling, biodistribution and gamma scintigraphy", Bioorganic chemistry, 92, 103282, (2019).
13. "Nanoparticle-Mediated Dual Targeting: An Approach for Enhanced Baicalin Delivery to the Liver", Pharmaceutics, 12(2), 107, (2020).
14. "Polyethylene oxide-polyacrylic acid-folic acid (PEO-PAAc) nanogel as a ^{99m}Tc targeting receptor for cancer diagnostic imaging", Journal of Labelled Compounds and Radiopharmaceuticals, 64, 534-547, (2021).
15. "Preparation, Characterization, and In vivo Biodistribution Study of Intranasal ^{131}I-Clonazepam-Loaded

Phospholipid Magnesome as a Promising Brain Delivery System: Biodistribution and pharmacokinetic behavior of intranasal ^{131}I-Clonazepam loaded phospholipid magnesome as a potential brain targeting system." European Journal of Pharmaceutical Sciences, 169, (2022) 106089.

16. "Multifunctional ^{99m}Tc-5-azacitidine gold nanoparticles: Formulation, in vitro cytotoxicity, radiosynthesis and in vivo pharmacokinetic study", Current Drug Delivery, 20, 387-399, (2022).
17. "Radioiodinated Acemetacin Loaded Niosomes as a Dual Anticancer Therapy", International Journal of Pharmaceutics, 628 (2022) 12234528.
18. "Niosomal formulation of mefenamic acid for enhanced cancer targeting; preparation, characterization and biodistribution study using radiolabeling technique." Journal of Cancer Research and Clinical Oncology, (2023). DOI: 10.1007/s00432-023-05482-8

G) Quality Assurance in Higher Education:

Training Attended:

- Ejective manger in higher education institutions "
- "research plan "
- "Strategic plan "
- "Academic advisor"
- "Basic principles in assessment"
- "written assessment"
- "Blue printing"
- "Standard Setting "
- "Program Evaluation"
- "Program in Courses Specification"

H) Skills

- Language Skills: **English (Very good spoken and written) TOEFL (iBT): 98 (September 2011)**

- Computer Skills: **International Computer Driving License (ICDL).**

- Presentation skills: **Excellent**

Hyperlink for Total C.V:

Hassan Medhat Rashed