

Curriculum vitae



Personal Information

First Names/Sure Name Hany Ibrahim Mohamed Moursy Kenawy

Gender Male

Date of Birth 30/03/1978

Place of Birth Dortmund, Germany

Nationality Egyptian

Marital State Married

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Scopus *h*-index 11

Google Scholar *h*-index 11

Google Scholar *i10*-index 12

Education and Qualifications

Degree Awarded **PhD**

Speciality Infection, Immunity and Inflammation

Thesis Title Role of the lectin pathway of complement in *C. albicans* and *P. aeruginosa* infections

Dates Sep 2006-Jul 2010

Awarding Body Department of Infection, Immunity and Inflammation, college of Medicine, Biological Sciences and Psychology, University of Leicester,

Degree Awarded **MSc**

Speciality Pharmaceutical Sciences

Thesis Title Studies on some enzymes produced by group A *Streptococcus*

Dates 2000-2005

Awarding Body Microbiology Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Degree Awarded **BSc**

Speciality Pharmaceutical Sciences

Dates Sep 1995-Jul 2000

Awarding Body Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (Excellent with honour).

Work Experience

Position Vice-Dean of Community Service and Environmental Development

Employer Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Dates 1st Sep 2022-till now

Position Professor of Microbiology and Immunology

Employer Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Dates 31st Aug 2020-till now

Position Associate Professor of Microbiology and Immunology

Employer Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Dates 28th July 2015-30th Aug 2020

Position Vice-president and co-founder of International Digital Centre for Applied Skills (IDCAS) at Mansoura University

Dates 19th Aug 2018- 18th Aug 2020

Position Director of the Professional Master Programme of Immunology and Regenerative Medicine in English and French (in collaboration with AUF, Francophone Universities Association)

Employer Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Dates 9th Jul 2018- till now

Position Research Associate

Employer Dept. of Infection, Immunity and Inflammation, college of Medicine, Biological Sciences and Psychology, University of Leicester, UK

Dates 13th of March 2011-30th of Sep 2014

Position Lecturer of Microbiology & Immunology

Employer Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Dates July 2010-July 2015

Position Part-time employment as Course demonstrator for undergraduate students

Employer Dept. of Infection, Immunity and Inflammation, college of Medicine, Biological Sciences and Psychology, University of Leicester, UK

Dates 2007-2010

Position Part-time research employment as a technician (casual-employment)

Employer Dept. of Infection, Immunity and Inflammation, college of Medicine, Biological Sciences and Psychology, University of Leicester, UK

Dates Mar 2010- May 2010; Nov 2009-Feb 2010; June 2009-Aug 2009; May 2008-Jul 2008

Position Assistant lecturer

Employer Microbiology Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Dates June 2005-July 2010

Position Demonstrator

Employer Microbiology Department, Faculty of
Pharmacy, Mansoura University,
Mansoura, Egypt

Dates October 2000- May 2005

Professional qualifications and skills

Computer:

- Professional use of computers either PC or Mac systems.
- Microsoft Office package, Graphpad Prism, Adobe Photoshop, Image J and Internet.
- Holding ICDL (Syllabus version 3), April 2006.

Languages:

- Arabic: excellent written, read and spoken (mother tongue).
- English: excellent written, read and spoken.

Academic and non-academic courses attended

- Search engines and applications of scientific research (15th Feb 2022). Faculty of Pharmacy, Mansoura University.
- Regulation of bacterial virulence as an approach to combat the problem of antibiotic resistance- Science Talks (online, 25th Jan 2022). Faculty of Pharmacy-Helwan University.
- Innate immunity and COVID-19 Science Talks (online, 20th Dec 2021). Faculty of Pharmacy-Helwan University.

- Preparation of the test item for the medical sector. (online, 5th May 2021, the Measurement and Evaluation Center at the Higher Education Development Project Management Unit, Egypt)
- Design and production of electronic courses (3-4th Jun 2020 FLDP Mansoura University)
- Scientific research ethics (30th-31st May 2020, FLDP Mansoura University)
- Teaching excellence in pharmacy education program (online workshops-Egyptian Knowledge Bank), 12th Apr- 16th Nov 2020.
- Preparation of question banks and electronic exams (24-25th Feb 2020, Mansoura University Measurement and Assessment Unit)
- Preparation of an exam item (9-10th Feb 2020, Mansoura University Measurement and Assessment Unit)
- Self-assessment of educational programs: Faculties and Institutions of higher education (24-26th Nov 2019, National Authority for Quality Assurance and Accreditation of Education (NAQAAE))
- Design of personal web pages for academic staff (21st-22nd Jul 2019, FLDP Mansoura University)
- Competency-based learning (15-16th Jul 2019, International Digital Centre for Applied Skills (IDCAS) Mansoura University)
- Scientific research search engines and classification of Universities (24-25th Mar 2019, FLDP Mansoura University)

- Application of pharmacy NARS: from content to competency based on National Academic Reference Standards (NARS), Pharmacy Education 2nd Edition (4th Feb 2019, Faculty of Pharmacy, Mansoura University)
- Strategic planning for Faculties and Institutions of Higher Education (7-8th Nov 2018, National Authority for Quality Assurance and Accreditation of Education (NAQAAE))
- Design and review the scientific research (26-27th Feb 2017, FLDP Mansoura University)
- Workshop on design curricula for e-learning as a part of the project "Tempus ADIP 543824-TEMPUS-1-2013-1-LB-TEMPUS-SMHES, for quality in distance learning and competence-based learning (5-11th Feb 2017- CNAM-Paris-France)
- Quality and Distance Education: challenges, opportunities and criteria (21st-23th Sep 2016, Balamand University, Lebanon)
- Creation and management of online courses (7-11th Feb 2016) at Senghor University (sponsored by AUF), Alexandria, Egypt
- Examination system and student evaluation (14-15th Dec 2014, FLDP Mansoura University)
- Dealing with legal and financial issues in the University (23-24th Nov 2014, FLDP Mansoura University)
- Organizing scientific conferences (16-17th Nov 2014, FLDP Mansoura University)
- Credit hours system (9-10th Nov 2014, FLDP Mansoura University)
- Research team management (2nd-3rd Nov 2014, FLDP Mansoura University)

- Introduction to ImageJ and Fiji (14th April 2014, University of Leicester UK)
- Writing macros in ImageJ (15th April 2014, University of Leicester UK)
- Strategic planning (11-13th Jul 2010, FLDP Mansoura University)
- Lecturer preparation course (March 2006, Faculty of Education- Mansoura University)
- Teaching for large and limited numbers (7-8th Oct 2005, FLDP Mansoura University)
- Effective teaching skills (31st Jul-5th Aug 2005, FLDP Mansoura University)
- Effective communication skills (24-27th Jul 2005, FLDP Mansoura University)
- Time management and workloads (10-13th Jul 2005, FLDP Mansoura University)
- Approaches of scientific research (5-8th Jun 2005, FLDP Mansoura University)
- Thinking skills (29th May-1st June 2005, FLDP Mansoura University)

Training courses and workshops I gave/organised

- Fighting antimicrobial resistance together- Antibiotic Awareness Day, held on 29th Nov 2022 in Faculty of Pharmacy-Mansoura University, Egypt. **Organiser, Speaker**
- COP-27 simulation workshop, held on 22nd Nov 2022 in Faculty of Pharmacy-Mansoura University, Egypt. **Organiser, Speaker**
- COP-27 simulation workshop, held on 31st Oct 2022 in Gezert ElWard Sporting Club by Directorate of Education in Dakahlia–Mansoura, Egypt. **Guest speaker**

- Awareness-raising campaign “Infection Prevention”, held on 14th-15th Dec 2021 in Faculty of Pharmacy-Mansoura University, Egypt. **Organiser**
- COVID-19- The Challenge (23th Aug, 18th Sep 2021) Faculty of Pharmacy- Mansoura University, Egypt- **Speaker**
- The 7th Scientific Conference of Microbiology & Immunology Department held on the 18th Sep 2021- **Organiser**
- Competency-based learning (15-16th Jul 2019, International Digital Centre for Applied Skills (IDCAS) Mansoura University)- **Organiser**
- Proper use of antibiotics (8th Jul 2017, Pharmacy Syndicate, Mansoura, Egypt, 27th Jul & 9th Aug 2021 Pharmacy students summer training)-**Speaker**
- Quantitative real-time PCR- **Speaker, Trainer**
- Primer design- **Speaker, Trainer**
- Scientific writing- **Speaker, Trainer**
- How to avoid plagiarism in scientific writing- **Speaker, Trainer**
- Safe disposal of biowaste- **Speaker, Trainer**

Personal and professional capabilities

- Enthusiastic, independent, self-motivated and hard working.
- Capable of time management, and working under pressure.
- Good experience in supervising undergraduate and postgraduate students.
- Cooperative and able to work in a multidisciplinary team.
- Creative and able to design new methods or modify existing protocols.
- Excellent communication skills.

Teaching, supervision and professional experiences

- **Involved in teaching courses for undergraduate and postgraduate students at Mansoura University that included:**
 - General Microbiology
 - Medical Microbiology
 - Pharmaceutical Microbiology
 - Public Health
 - Biotechnology
 - Immunology
 - Genetics
 - Parasitology
 - Infectious diseases course (PharmD program)
 - Teaching Immunochemistry course (**distance and blended learning**) in the Professional Master Programme of Immunology and Regenerative Medicine (2014- till now).
 - Research methodologies and ethic
 - Scientific writing
 - Teaching and demonstrating MSc students at the University of Leicester (Fluorescence Microscopy course, 2011-2012, 2012-2013).
- Participated in the establishment of National Question Bank in Microbiology related subjects through my active membership in the Executive Committee of the Evaluation Exam for the Pharmaceutical Studies Sector (7/4/2019)
- Supervised Clinical Pharmacy students (23 students/level 4) during their Clinical Pharmacy Summer School at De Montfort University, Leicester, UK from 7th Sep-18th Sep 2015.
- Participated in the successful launching of Child University at Mansoura University (Aug 2015).
- Supervising PhD, MSc, Diploma, Professional Master students at Mansoura University (March 2015-till now).

- Involved in demonstrating undergraduate students at Mansoura University (2000-2005) and at the University of Leicester (2007-2010).
- Participated in the establishment and modification of several bylaws for undergraduate and postgraduate programmes in Faculty of Pharmacy at Mansoura University (2014-till now) including Professional Master degree of Immunology & Regenerative Medicine (postgraduate), PharmD (undergraduate), Mansoura-Manchester program (undergraduate).
- **Experienced scientific techniques**
 - Working with laboratory animals, coordination of animal breeding and genotyping of either WT or transgenic mice. I hold a valid personal license for scientific procedure on living animals, including surgical procedures (2006, Home Office, UK). I'm authorized to carry out surgeries on mice including uninephrectomy and unilateral ureteral obstruction.
 - ELISA-based quantification techniques and functional assays (I developed several new assays for the assessment of the complement functional activities).
 - Experienced Molecular biology techniques:
 - Extraction and purification of DNA and RNA
 - Northern blotting
 - Southern blotting
 - Primer design
 - Probe design
 - Genotyping and breeding of gene-targeted mouse lines
 - PCR and real time PCR
 - qPCR array
 - DNA mutagenesis
 - cDNA library construction
 - Protein electrophoresis and Western blot analysis

- Cloning and sub cloning of different DNA inserts into different vectors for preparation of constructs
- Mammalian tissue culture techniques
- Flow cytometry
- Protein expression and purification
- Cryostat sectioning
- Immunohistochemistry
- Immunocytochemistry
- *in situ* hybridization
- Confocal microscopy
- Fluorescence microscopy
- Polyclonal and monoclonal antibody production
- Working with radioactive compounds
- Experience in handling and cultivating bacterial pathogens following Health and Safety approved procedures
- Fermentative production of pharmaceuticals in fermenters

Scientific activities

Conference participation:

- The 7th International Conference of Faculty of Pharmacy (Boys), Al-Azhar University, 22nd-23rd Oct 2022, Al-Azhar Conference Center, Cairo, Egypt (**Speaker**)
- The 3rd International Conference of Mansoura Pharmaceutical Sciences 30th Aug-2nd Sep 2022, Mansoura-Ain Elsokhna, Egypt (**Attendance**)

- The 1st international conference of the Faculty of Pharmacy, Delta University for Science and Technology, “ Innovation Research in Pharmacy and Bioscience”, 20th-21st Nov 2021, Semiramis International, Cairo, Egypt. (**Attendance**)
- The 7th Scientific Conference of Microbiology & Immunology Dept., 18th Sep 2021, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (**Keynote speaker “COVID-19: the challenge”**)
- The 6th conference of Pharmacognosy Dept., Faculty of Pharmacy, Mansoura University, Egypt. 23rd Aug 2021. **Keynote lecture “COVID-19: the challenge”**
- The 6th Scientific Conference of Microbiology & Immunology Dept., 15th-16th Feb 2020, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (**Keynote speaker “Towards Rationale Use of Antibiotics”**)
- The 19th Egyptian-French Seminar of Immunology and Histocompatibility- 5th Conference of Mansoura Research Center for Cord Stem Cells (MARC-CSC), 19-20 Dec 2019. Faculty of Medicine, Mansoura University, Mansoura, Egypt (**Chairperson of Immunology II session**)
- The 6th Pharmaceutical conference “New Trends in Pharmacy”, 2nd Dec 2019, Faculty of Pharmacy, Kafrelsheikh University, Kafrelsheikh, Egypt (**Keynote speaker “Rationale Use of Antibiotics”**)
- The 2nd International Conference of Pharmaceutical Sciences (MU-PHARM 2019) 10-12 April 2019, Grand Ocean Hotel, Sokhna, Egypt (**poster presentation**)
- 1st Annual Conference of Pharmacy Department: Pharmacy Practice; different perspectives, 14th Mar 2019, El Hekma Club, Ras El Bar, Egypt (**Keynote speaker “Proper Use of Antibiotics”**)

- The 5th Scientific Conference of Microbiology & Immunology
Dept., 23rd Feb 2019, Faculty of Pharmacy, Mansoura University,
Mansoura, Egypt (**gave workshop on "How to write scientific
article"**)
- The 1st International Conference of Stem Cells: Future Applications.
4th Conference of Mansoura Research Center for Cord Stem
Cells (MARC-CSC). The 18th Egyptian-French Seminar of
Immunology and Histocompatibility-, 17-19 Dec 2018. Faculty of
Medicine, Mansoura University, Mansoura, Egypt (**Chairperson
of Immunology session**)
- The 24th Conference of the Egyptian Society for Medical
Microbiology. Nosocomial Infections; The Challenge of
Emerging and Reemerging Infections. 31st March 2018, Hilton
Dreamland, 6th of October City, Egypt (**Attendance**)
- The 1st International Conference of Pharmaceutical Sciences (MU-
PHARM 2017) April 9-11, 2017, Faculty of Pharmacy, Mansoura
University, Egypt (**Trainer on Quantitative Real-time PCR,
attendance**)
- The 3rd Scientific Conference of Microbiology & Immunology
Department, Faculty of Pharmacy, Mansoura University . 22nd
Nov, 2016 (**Attendance**)
- Quality of distance learning: challenges, opportunities and
criteria, 21st-23rd Sep 2016 at Balamand University, Lebanon (**as
part of Tempus ADIP project**)
- The 1st African Cancer Congress- 6th International Conference of
Oncology Center Mansoura University- 3rd Annual Meeting of
African Breast Cancer and Woman Health Foundation 5th -7th
May 2016, Fairmont hotel, Cairo, Egypt (**Chairperson**)
- The 1st PharmaSchool International Conference of
Pharmaceutical Sciences, 15th-16th Feb 2016 at Mansoura
University (**Organiser**)
- East Midlands Renal Research Showcase, 10th April 2013 at
Loughborough University, UK (**Attendance**)

- XXIV International Complement Workshop held at the *Minoa Palace Conference Center in Chania, Greece* from October 10th -15th, 2012
 - Poster presentation: CD36 is not involved in alternative pathway-mediated complement-dependent cytotoxicity on proximal tubular epithelial
 - Oral presentation: Therapeutic application of recombinant properdin confers a significant degree of protection during *Neisseria meningitidis* infection
- The second East Midlands Research Showcase on the 18th April 2012 at Burleigh Court, Loughborough. UK (attendance)
- Kidney Research UK Fellows Day on 12th and 13th September 2011-Royal Society of Edinburgh, Edinburgh, UK (attendance)
- 13th European Meeting on Complement in Human Disease. Leiden, The Netherlands. 21st-24th August 2011 (attendance)
- 12th European Meeting on Complement in Human Disease. Thermal Hotel Visegrád, Hungary (Oral presentation: The lectin pathway of the complement system has a protective role in disseminated Candidiasis). Sep. 5th- 8th, 2009
- XXII International Complement Workshop, Basel, Switzerland, 28th September - 2nd October 2008 (Poster presentation: The deficiency of the lectin pathway functional activity in MASP-2 deficient mice has no impact on the survival from *Pseudomonas aeruginosa* infections)

Publications

1. Samir, P., El-Baz, A.M., Kenawy, H.I. (2022) The linkage between prevalence of integron I and reduced susceptibility to biocides in MDR *Klebsiella pneumonia* isolated from neonates. Iranian Journal of Microbiology. In press.

2. Hagag, Y.A., Said, H.S., Kenawy, H.I., Hassan, R. A. (2022) novel pentavalent vaccine candidate completely protects against *Acinetobacter baumannii* in a mouse model of peritonitis. *Applied Microbiology and Biotechnology*;106(24):8151-8167. doi:10.1007/s00253-022-12231-3. Epub 2022 Nov 19.
3. Ibrahiem, W.A.M, Kenawy, H.I., Hassan, R. (2022) Prevalence of Vancomycin Resistance among Clinical Isolates of MRSA from Different Governorates in Egypt. *Applied Microbiology and Biotechnology*; 106 (24), 8151-8167.
4. Sultan, E.Y., Rizk, D.E., Kenawy, H.I., Hassan, R. (2021) A small fragment of factor B as a potential inhibitor of complement alternative pathway activity. *Immunobiology*;226(4),152106. doi: 10.1016/j.imbio.2021.152106. Epub 2021 Jun 16. PMID: 34147816.
5. Rifai, A.O., Abd El-Aziz A. M., Kenawy H. I. (2021) Possible antivirulent activity of some agents against clinical isolates of *Pseudomonas aeruginosa*. *Egyptian Journal of Medical Microbiology*; 30(2), 1-8.
6. Hassan, N.M.E., Shehatou, G.S.G., Kenawy, H.I., Said, E. (2021) Dasatinib mitigates renal fibrosis in a rat model of UUO via inhibition of Src/STAT-3/NF- κ B signaling. *Environmental Toxicology and Pharmacology*, 84, 103625.
7. Hagag, Y., Elgaml. A., Hassan, R., Kenawy, H. (2020) Impact of *sarA* mutation on immune system evasion and stress response in *Staphylococcus aureus*. *The Egyptian Journal of Medical Microbiology*. 29(3), 105-112.
8. Alghadban, S., Kenawy, H. I., Dudler, T., Schwaeble, W. J., & Brunskill, N. J. (2019). Absence of the Lectin Activation Pathway of Complement Ameliorates Proteinuria-Induced Renal Injury. *Front Immunol*, 10, 2238. doi:10.3389/fimmu.2019.02238
9. Fopa, D., Candotti, D., Tagny, C. T., Doux, C., Mbanya, D., Murphy, E. L., . . . Kenawy, H. I., El Chenawi, F., Laperche, S. (2019). Occult hepatitis B infection among blood donors from Yaounde, Cameroon. *Blood Transfus*, 17(6), 403-408. doi:10.2450/2019.0182-19
10. Eissa, L. A., Kenawy, H. I., El-Karef, A., Elsherbiny, N. M., & El-Mihi, K. A. (2018). Antioxidant and anti-inflammatory activities of berberine attenuate hepatic fibrosis induced by thioacetamide injection in rats. *Chem Biol Interact*, 294, 91-100. doi:10.1016/j.cbi.2018.08.016
11. Hagag, Y., Elgaml. A., Kenawy, H., Hassan, R. (2018). Biofilm patterns of *Staphylococcus aureus* clinical isolates collected from Mansoura University Hospitals, Egypt. *New Egyptian Journal of Microbiology*, 50(2):20-33.

12. El-Mihi, K. A., Kenawy, H. I., El-Karef, A., Elsherbiny, N. M., & Eissa, L. A. (2017). Naringin attenuates thioacetamide-induced liver fibrosis in rats through modulation of the PI3K/Akt pathway. *Life Sci*, 187, 50-57. doi:10.1016/j.lfs.2017.08.019
13. Zaghoul, R. A., Elsherbiny, N. M., Kenawy, H. I., El-Karef, A., Eissa, L. A., & El-Shishtawy, M. M. (2017). Hepatoprotective effect of hesperidin in hepatocellular carcinoma: Involvement of Wnt signaling pathways. *Life Sci*, 185, 114-125. doi:10.1016/j.lfs.2017.07.026
14. Hassan, R., El-Naggar, W., Abd El-Aziz, A. M., Shaaban, M., Kenawy, H. I., & Ali, Y. M. (2018). Immunization with outer membrane proteins (OprF and OprI) and flagellin B protects mice from pulmonary infection with mucoid and nonmucoid *Pseudomonas aeruginosa*. *J Microbiol Immunol Infect*, 51(3), 312-320. doi:10.1016/j.jmii.2016.08.014
15. Kenawy, H. I., Boral, I., & Bevington, A. (2015). Complement-Coagulation Cross-Talk: A Potential Mediator of the Physiological Activation of Complement by Low pH. *Front Immunol*, 6, 215. doi:10.3389/fimmu.2015.00215
16. Sosoniuk, E., Vallejos, G., Kenawy, H., Gaboriaud, C., Thielens, N., Fujita, T., Schwaeble, W., Ferreira, A., Valck, C. (2014). Trypanosoma cruzi calreticulin inhibits the complement lectin pathway activation by direct interaction with L-Ficolin. *Mol Immunol*, 60(1), 80-85. doi:10.1016/j.molimm.2014.03.014
17. Ali, Y. M., Hayat, A., Saeed, B. M., Haleem, K. S., Alshamrani, S., Kenawy, H. I., . . . Schwaeble, W. J. (2014). Low-dose recombinant properdin provides substantial protection against *Streptococcus pneumoniae* and *Neisseria meningitidis* infection. *Proc Natl Acad Sci U S A*, 111(14), 5301-5306. doi:10.1073/pnas.1401011111
18. Ali, Y. M., Kenawy, H. I., Muhammad, A., Sim, R. B., Andrew, P. W., & Schwaeble, W. J. (2013). Human L-ficolin, a recognition molecule of the lectin activation pathway of complement, activates complement by binding to pneumolysin, the major toxin of *Streptococcus pneumoniae*. *PLoS One*, 8(12), e82583. doi:10.1371/journal.pone.0082583
19. Bidula, S., Kenawy, H., Ali, Y. M., Sexton, D., Schwaeble, W. J., & Schelenz, S. (2013). Role of ficolin-A and lectin complement pathway in the innate defense against pathogenic *Aspergillus* species. *Infect Immun*, 81(5), 1730-1740. doi:10.1128/IAI.00032-13
20. Hassan, R., Abol-Enein H., Elsayy E., El-Sokary M. M., Kenawy H. and Ezz El Arab ,W. (2013). Bacteriuria and antibiotics resistance in ileal neobladders: prevalence and clinical significance. *N. Egypt. J. Microbiol.*36.

21. Kenawy, H. I., Ali, Y. M., Rajakumar, K., Lynch, N. J., Kadioglu, A., Stover, C. M., & Schwaeble, W. J. (2012). Absence of the lectin activation pathway of complement does not increase susceptibility to *Pseudomonas aeruginosa* infections. *Immunobiology*, 217(2), 272-280. doi:10.1016/j.imbio.2011.10.001
22. Sequencing of porcine MASP-2 cDNA (Gene Bank database, accession number of FJ949566).
23. El-Sokkary, M. A., Kheira, S. M. and Kenawy H. I. (2004). Studies on streptokinase obtained from clinical isolates of *Streptococcus pyogenes*. *Mansoura Journal of Pharmaceutical sciences*, 20(2), 20-35.

Professional affiliations

- A member of the Executive Committee of the evaluation exam for the pharmaceutical studies sector (7th Apr 2019)
- A member of the International Complement Society
- A member of the European Complement Society
- A member of Faculty Council (Sep 2021 till now)
- A member of Students and education affairs committee of Faculty Pharmacy Mansoura University (Sep 2019- Aug 2021)
- A member and trustee of Postgraduate and Research affairs committee of Faculty Pharmacy-Mansoura University (Sep 2016-till Aug 2019)
- A Member of Faculty of Pharmacy- Mansoura University- internal auditing for Scientific Departments committee (2016-till now)
- A member of Faculty of Pharmacy- Mansoura University- internal auditing for Administrative Departments committee (2016-till now)
- A member of Faculty of Pharmacy- Mansoura University- training and rehabilitation of human resources committee (2015-till now)

- A member of the team for preparation of Postgraduate studies of Faculty of Pharmacy -Mansoura University self-study report (2015-2019)
- Head of 3rd level Pharmacy undergraduate (credit hours system) exam control (2015/2016- till now)
- A member of the team for preparation of Faculty file to apply for Egypt Award for Government Excellence. (2018/2019-2019/2020)
- A member of Curricula and Undergraduate Programs committee in Faculty of Pharmacy -Mansoura University (2018/2019)
- A member of auditing and evaluation committee for postgraduate studies programs in Faculty of Pharmacy -Mansoura University (2017/2018)
- A member of re-specification of courses committee for Faculty of Pharmacy-Mansoura University- B. Pharm-credit hours program (2016/2017)
- A member of Mansoura University committee of research ethics and animal welfare (May 2016-2017)
- Faculty member of Mansoura University Office for External Affairs (2015)
- Coordinator of Clinical Pharmacy training in Faculty of Pharmacy, Mansoura University (2016-till now)
- Faculty coordinator of the Professional Master Programme of Immunology and Regenerative Medicine in collaboration with AUF (Francophone Universities Association), Faculty of Pharmacy and Faculty of Medicine, Mansoura University (April 2015- Dec 2016)
- Faculty of Pharmacy Coordinator and a member of the University anti-plagiarism committee (Mar 2015-Sep 2017)

Projects Memberships

- Principle investigator of STDF project 30212 "Development of biological therapeutics for some complement-mediated disorders", Awarded 2020 for 3 years.
- Member in the project "Tempus ADIP 543824-TEMPUS-1-2013-1-LB-TEMPUS-SMHES" for quality in distance learning and competence-based learning (2014-2017).

Personal statement and research interest:

During my PhD study (2006-2010) in Prof. Wilhelm Schwaeble's laboratory and my Post-Doctoral Research Fellow (2011-2014) in Prof. Nigel Brunskill laboratory, I've developed excellent research skills and learned a brought variety of valuable and "cutting edge" techniques. I have earned myself the reputation of a hardworking, independent, competent, reliable, creative and most trust-worthy academic co-worker. I have shown the capabilities in addressing and resolving research associated challenges in the day-to-day running of a very research active laboratory. I have also supervised undergraduate and post-graduate students in the Department in parallel to my research projects.

I am highly interested to continue exploring the role of complement and complement-associated disorders in various models of human disease with the aim to explore new avenues for prophylactic and/or therapeutic applications to limit human morbidity and mortality. In addition, I am working on monoclonal antibody development and have been awarded an STDF grant since 2020 under title of "Development of biological therapeutics for some complement-mediated disorders" for 3 years.

I did research also in other areas of interest that includes vaccine development, pathogenesis of various clinically important bacteria.

Statement of teaching interest:

I am very interested also in teaching undergraduate and postgraduate students. My philosophy in teaching is based on close mutual interaction with students implementing new models of non-classical teaching like competency-based learning and problem based-learning utilising the new available technologies. I've established the 1st blended model of learning and education in Mansoura University through the Postgraduate Programme of Master of Immunology and Regenerative Medicine in English.

References:

- **Prof. Rasha Mohamed Barwa**

Professor of Microbiology & Immunology,

Microbiology & Immunology, Faculty of Pharmacy, Mansoura University, Egypt.

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- **Prof. Wilhelm Schwaeble**

Professor of Immunology

Director of Research

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- **Prof. Nigel Brunskill**

Professor of Renal Medicine

Infection, Immunity and Inflammation Department, college of
Medicine, Biological Sciences and Psychology, University of Leicester,
UK.

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• **Dr. Alan Bevington**

Senior lecturer of Biochemistry

Infection, Immunity and Inflammation Department, college of
Medicine, Biological Sciences and Psychology, University of Leicester,
UK.

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