

## [Gehan Farouk Ali El Akabawy]

### Academic Rank

Associate Professor of Anatomy

### Qualifications

1. PhD of Neuroanatomy, 2011, King's College London, United Kingdom.
2. MSc. of Anatomy and Embryology, 2005, Faculty of Medicine, Menoufia University, Egypt (very good).
3. M.B.B.ch., 1995, Faculty of Medicine, Menoufia University, Egypt (very good).

### Research field(s)

1. Neuroscience
2. Stem cell biology
3. Experimental hisopathhology

### Publications *(Last five years)*

1. Al-Afify ASA, El-Akabawy G, El-Sherif NM, El-Safty FEA, El-Habiby MM (2018). Avocado soybean unsaponifiables ameliorates cartilage and subchondral bone degeneration in mono-iodoacetate-induced knee osteoarthritis in rats. Tissue Cell;52:108-15. (impact factor: 1.5)
2. Salman NAAFA, El-Safty FEA, El-Habiby MM, El-Kholy W, El-Akabawy G (2019). Vitamin C attenuates the toxic effect of nutmeg on primary visual occipital cortex in rats. Folia Morphologica (Warsz) (impact factor: 0.9)
3. El-Akabawy. G, El-Sherif NM (2019) Zeaxanthin exerts protective effects on acetic acid-induced colitis in rats via modulation of pro-inflammatory cytokines and oxidative stress. Biomed Pharmacother. Mar;111:841-851. (Impact factor: 4.5).
4. Nofal AE, El-Habeby MM, El-Kholy WB, El-Akabawy G, Manar AF (2019). Protective role of broccoli extract on estradiol valerate-induced polycystic ovary syndrome in female rats. Eur. J. Anat. 23 (2): 121-129.
5. El-fiky SMA, Nooh HZ, El-Akabawy G, Issa NM (2019). Protective effect of Petroselinum crispum (parsley) extract on alveolar stage of rat lung development after perinatal nicotine exposure. Eur. J. Anat. 23 (6): 405-413

6. El-Kersh A, El-Akabawy G, Al-Serwi RH (2020). Transplantation of human dental pulp stem cells in streptozotocin-induced diabetic rats. *Anat Sci Int.*;95(4):523-39. (Impact factor: 1.5)
7. Albadrani GM, Binmowyna MN, Bin-Jumah MN, El-Akabawy G, Aldera H, Al-Farga AM (2020). Quercetin protects against experimentally-induced myocardial infarction in rats by an antioxidant potential and concomitant activation of signal transducer and activator of transcription 3. *J Physiol Pharmacol.* 2020;71(6). (Impact factor: 2.6)
8. Khired ZA, El-Akabawy G, Alsebaill RA, Alotaibi AE, Alblowi NS, Albalawi HK (2021). Osteoporosis knowledge, attitudes, and practices among female Princess Nourah University students in Riyadh, Saudi Arabia. *Arch Osteoporos*;16(1):1. (Impact factor: 2)
9. Albadrani MG, BinMowyna MN, Bin-Jumah MN, El-Akabawy G, Aldera H, AL-Farga AM (2021). Quercetin prevents myocardial infarction adverse remodeling in rats by attenuating TGF- $\beta$ 1/Smad3 signaling: different mechanisms of action, *Saudi Journal of Biological Sciences.* (Impact factor: 2.8).
10. Al-Serwi R. El Kersh A, El-Akabawy G (2021). Transplantation of human dental pulp stem cells in streptozotocin-induced parotid injury in rats. *Stem cell research & therapy* 12 (1), 1-18 (Impact factor: 6.8)
11. El-Akabawy G, Aabed K, Rashed AL, Amin NS, AlSaati I, Al-Fayez AM (2022). Preventive effects of bone marrow-derived mesenchymal stem cell transplantation in a D-galactose-induced brain ageing in rat. *Folia morphologica* (Impact factor: 1.2)
12. El-Akabawy G, El Kersh SOF, Rashed LA, Amin SN, El-Sheikh A. Transplantation of bone marrow-derived mesenchymal stem cells ameliorated dopamine system impairment in a D-galactose-induced brain ageing in rats. *Folia Morphol (Warsz).* 2022. (Impact factor: 1.2)

### Courses Taught (*Last five years*)

1. Teaching human anatomy and embryology for undergraduate medical students, Menoufia University, Faculty of Medicine, Egypt.
2. Teaching human anatomy and embryology courses for postgraduate medical and nursing students of different specialties, Menoufia University, Egypt.
3. Teaching human anatomy and histology courses for undergraduate medical, nursing, dentistry, and health sciences students, Princess Nourah University, KSA.

### Professional Experience

1. Associate professor of Anatomy and Embryology, Basic Sciences Department, Ajman University, College of Medicine, UAE, since 30/1/2022-curr.
2. Professor of Anatomy and Embryology, Anatomy and Embryology Department, Faculty of Medicine, Menoufia University, Egypt, since 29/8/2022-curr.

3. Associate professor of Anatomy and Embryology, Basic Sciences Department, Anatomy Department, Princess Nourah University, College of Medicine, KSA, since 30/5/2018-30/8/2022.
4. Assistant professor of Anatomy and Embryology, Basic Sciences Department, Anatomy Department, Princess Nourah University, College of Medicine, KSA, since 26/8/2016-29/8/2022.
5. Assistant professor of Anatomy and Embryology, Anatomy and Embryology Department, Faculty of Medicine, Menoufia University, Egypt, since 30/1/2017-curr.
6. Lecturer of Anatomy and Embryology, Anatomy and Embryology Department, Faculty of Medicine, Menoufia University, Egypt, since 27/12/2011-30/1/2017.
7. Assistant lecturer of Anatomy and Embryology, Anatomy and Embryology Department, Faculty of Medicine, Menoufia University, Egypt, since 5/3/2006-27/12/2011.

## Committees Work

1. Vice-president of E-learning unit, Princess Nourah University, College of Medicine, KSA, since Sep 2019-curr.
2. Head of E-learning committee, Princess Nourah University, College of Medicine, Basic Sciences Department, KSA, since Sep 2018-curr
3. Member of the program committee, Princess Nourah University, College of Medicine, KSA, since Sep 2020-curr.
4. Member of academic guidance and entrepreneurial committee, Princess Nourah University, College of Medicine, KSA, since Sep 2018-curr.
5. Member of degree equalization committee, Princess Nourah University, College of Medicine, KSA, since Sep 2017-curr.
6. Member of student travelling committee, Princess Nourah University, College of Medicine, KSA, since Sep 2018-curr.
7. Member of college website committee, Princess Nourah University, College of Medicine, KSA, since Sep 2017-curr.
8. Participating in academic advising process both in Menoufia University, Egypt since 2012 and Princes Nourah University, KSA since 2016-curr.
9. Course chair, Princess Nourah University, College of Medicine, KSA, since Sep 2018-curr.
10. Member of the designing and development of medical curricula, Menoufia University, Faculty of Medicine, Egypt, Since Sep 2015-June 2016.
11. Coordinator of the integrated teaching system for the anatomy and embryology department, Menoufia University, Faculty of Medicine, Egypt, since Sep 2015-June 2016.

## Honors and Awards

1. Excellence in teaching Awards, College of Medicine, Princess Nourah of Medicine, KSA 2016-2021.
2. Best Presentation Award, transplantation of human dental pulp stem cells in streptozotocin-induced diabetic rats. Oral presentation in 23rd international conference of cell and hematopoietic stem cell, Jeddah, Saudi Arabia, 2021.
3. Menoufia University publication prizes in 2012, 2014, and 2015.

## Other Contributions and Achievements

### Membership of Journal Editorial Boards

1. European Journal of Anatomy, ISSN:1136-4890, since 2022.
2. American Journal of Biomedical and Life Sciences, ISSN 2330-8818, science publishing group, from 2011-2015.
3. Immunoendocrinology Journal, ISSN 2378-3079, smart science technology, since 2012.

### Membership in scientific societies

1. American Society for Neural Therapy Repair (ASNTR).
2. British Neuroscience Association (BNA).
3. German stem cell network (GSCN)
4. Federation of European Neuroscience societies (FENS).
5. International Brain Research Organization (IBRO).
6. Biosciences Federation (BSF).