

FATMA HALFAYA

VETERINARY SURGEON & LECTURER SURGERY, ANESTHESIOLOGY, AND RADIOLOGY



PROFILE

Dr. Fatma Halfaya born in Saudi Arabia in 12/5/1989, she is married with two children.

She has BSc in Veterinary medical sciences, 2011; MSc in veterinary Surgery, anesthesiology, and radiology, 2017, PhD in veterinary Surgery, anesthesiology, and radiology, 2020, from Beni-Suef University. Currently she is a lecturer Surgery, Anesthesiology, and Radiology, Beni-Suef University. She is a veterinary surgeon (Hard worker and dedicated to animal welfare. interested in soft and orthopedic surgery. used in stressful environments). She has TOEFL certificate from AMIDEAST Center.

CONTACT

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RESEARCH GATE:

https://www.researchgate.net/profile/Fatma_Halfaya2

GOOGLE SCHOLAR:

https://scholar.google.com/citations?view_op=list_works&hl=ar&user=xc2-hZcAAAAJ

Languages: Arabic: Native language
English: Speak fluently and read/write with good proficiency,

Computer: User of several computer applications and software (i.e. Windows, Microsoft office and Graphics)

Technical: Complex soft tissue surgery
Basic orthopedics
Emergency and critical care

EDUCATION

Institution Name:

Faculty of Veterinary Medicine, Beni-Suef University, Egypt

[2017 – 2020] [PhD. in Veterinary medical sciences in December, 2020]
Entitled "Cell therapy in treatment of induced arthritis in animal model"

[2012 – 2017] [M.V.Sc., in Veterinary medical sciences in March, 2017]
Dissertation title: "Evaluation of some anaesthetics and tranquilizers in goats"

[2007 – 2011] [B.V.Sc., in Veterinary Medical sciences in May, 2011],
Final graduation: Very Good

WORK EXPERIENCE

At Faculty of Veterinary Medicine, Beni-Suef University, Egypt

[2020 till now] Lecturer of Surgery, Anesthesiology, and Radiology

[2017 – 2020] Assistant lecturer of Surgery, Anesthesiology, and Radiology

[2012 – 2017] Demonstrator of Surgery, Anesthesiology, and Radiology

Main duties performed

- 1- Weekly practical Lab. of surgery, anesthesia, and radiology as well as a technical assistance in the undergraduate training courses of, anesthesia, and radiology.
- 2- Weekly theoretical courses of surgery, anesthesia, and radiology
- 3- Assisted in developing syllabus and overall course structure in the department and help in administration of grades

SKILLS

- Teaching and training of Surgery, Anaesthesia and Radiology of large animals in the Clinical Reception and farm of the Faculty of Veterinary Medicine, Beni-Suef University, Egypt
- Assisting in the various clinical activities (Lameness diagnosis and treatment, orthopaedic surgeries, surgery, and diagnostic imaging techniques (sonar and x-ray) in the pet Animal Clinic at Surgery department, Faculty of Veterinary Medicine, Beni-Suef University, Egypt
- Participating in medical convoys organized by the college as part of the summer training program for students
- Attending workshops on isolation and separation of stem cells
- Participating in training and working in the stem cell research laboratory, Faculty of Science, Beni-Suef University, Egypt

- **Membership of scientific organizations**

1. Member of Egyptian Society for Progenitor Cell Research (ESPCR)

Educational Training Courses

1. A training course on the Photoshop Adobe Photoshop program from the Training and Information Technology Unit of the Supreme Council of Universities
2. Financial and legal aspects in college business, Fac. of Commerce, Beni-Suef Univ.
3. Quality standards in the teaching process, Fac. of Commerce, Beni-Suef Univ.
4. Project preparation for competitive research funding, Fac. of Commerce, Beni-Suef Univ.
5. International publication of scientific research, Fac. of Commerce, Beni-Suef Univ.
7. Communication skills, Fac. of Commerce, Beni-Suef Univ.
8. Research team management course, Human Resources Development Center, Beni-Suef Univ.
9. A course on quality standards in the educational process, Human Resources Development Center, Beni-Suef Univ
10. Time and meeting management course, Human Resources Development Center, Beni-Suef Univ
11. Technology use course, Human Resources Development Center, Beni-Suef Univ
12. Credit hour systems course, Human Resources Development Center, Beni-Suef Univ
- 13- Participating in workshop "Biosafety and Biosecurity in microbiological laboratories and Animal facilities", Fac. of Vet. Medicine, Beni-Suef Univ
- 14-Attending the annual meeting of ESPCR titled "Advances in stem cell researches", Military Medical Academy, Cairo, Egypt
- 15- Attending workshops on "Stem cell separation and isolation ", ESPCR, Cairo, Egypt

List of Publications

1. A study on the therapeutic potential of graphene titanate nanocomposite for treating chemically induced arthritis in rats: *Artificial Cells, Nanomedicine, and Biotechnology* 51:590 (2023).
2. Anti-inflammatory and anti-oxidant activities of mesenchymal stem cells in chemically induced arthritic rats: *Molecular Biology Reports* 50(11):3 (2023).
3. Ameliorative Effects of Bone Marrow-derived Mesenchymal Stem Cells and Hyaluronic Acid on Monosodium Iodoacetate-Induced Ankle Osteoarthritis in Wistar Rats: Roles of Th1/Th2/Th17 cytokines, MMP-13, TGF- β 1 and antioxidant defense system (2023).
4. A Novel Hydroxyapatite/Vitamin B 12 Nanoformula for Treatment of Bone A Novel Hydroxyapatite/Vitamin B 12 Nanoformula for Treatment of Bone Damage: Preparation, Characterization, and Anti-Arthritic, Anti-Inflammatory, and Antioxidant Activities in Chemically Induced Arthritic Rats : *Pharmaceuticals* 16(4):551 (2023).
5. Therapeutic Potential of Zeolites/Vitamin B12 Nanocomposite on Complete Freund's Adjuvant-Induced Arthritis as a Bone Disorder: In Vivo Study and Bio-Molecular Investigations; *Pharmaceuticals* 16(2):285 (2023)
6. Targeting Some Key Metalloproteinases by Nano-Naringenin and Amphora coffeaeformis as a Novel Strategy for Treatment of Osteoarthritis in Rats: *Pharmaceuticals*, 16(2), 260. (2023).
7. Morphological characteristics of the forebrain in the donkey (*Equus asinus*): A compared atlas of magnetic resonance imaging and cross-sectional anatomy. *Anatomia, histologia, embryologia.* (2021)
8. Platelet-Rich Plasma Ameliorates Monosodium Iodoacetate-Induced Ankle Osteoarthritis in the Rat Model via Suppression of Inflammation and Oxidative Stress . Hindawi, *Evidence-Based Complementary and Alternative Medicine* (2021).
9. Efficacy of Hyaluronic Acid in the Treatment of MIA-induced Ankle Osteoarthritis in Rats and its Effect on Antioxidant Response Element . *journal of veterinary medical research* 2020, 27 (2) (2020) .
10. Effect of Platelet-Rich Plasma on MMP-13, ARE and TGF β 1 in MIA-induced Osteoarthritis in Rats. *Journal of veterinary medical research* 2020, 27 (2) (2020).
11. Comparison of quality of anesthetic effect between intramuscularly administered ketamine, intravenously administered ketamine and intravenously administered propofol in diazepam premedicated goats. *Journal of Veterinary Medical Research*, 24(2), 247-256. (2017).
12. Comparison of tramadol, lidocaine and tramadol-lidocaine combination for epidural analgesia in goats. *Journal of Veterinary Medical Research*, 24(1), 124-131. (2017).

Last updated march, 2024

Signature
FATMA HALFAYA