

1. Research and publications:

Research papers 2018/2019

1. Asfar S, Shuaib A, Al-Otaibi F, Asfar SS, **Kilarkaje N.** (2018) A new technique to induce experimental myointimal hyperplasia. *Med Princ Pract*, 27: 415-419.
2. **Al-Hussaini H, Kilarkaje N.** (2018) Effects of trans-resveratrol on type 1 diabetes-induced inhibition of retinoic acid metabolism pathway in retinal pigment epithelium of Dark Agouti rats. *Eur J Pharmacol*, 834: 142-151.
3. Teresa Joy, **Muddanna Rao, Sampath Madhyastha***(2018). N-Acetyl Cysteine Supplement Minimize Tau Expression and Neuronal Loss in Animal Model of Alzheimer's Disease. *Brain Sciences*; 8, 185; doi:10.3390/brainsci8100185
4. Liegelin Kavitha Bernhardt, K Lakshminarayana Bairy, and **Sampath Madhyastha*** (2018). Neuroprotective Role of N-acetyl cysteine against Learning Deficits and Altered Brain Neurotransmitters in Rat Pups Subjected to Prenatal Stress. *Brain Sciences*; 8:120, doi:10.3390/brainsci8070120
5. **Abd-El-Basset, E. M., Rao, M. S.** (2018): Dibutyryl cyclic adenosine monophosphate rescues the neurons from degeneration in stab wound and excitotoxic injury models. *Front. Neurosci.* 12:546. doi: 10.3389/fnins.2018.00546. eCollection 2018
6. **Al-Hussaini H., Kilarkaje N** (2018). Trans-Resveratrol mitigates type 1 diabetes-induced oxidative DNA damage and accumulation of advanced glycation end products in glomeruli and tubules of rat kidneys. *Toxicol Appl Pharmacol*, 2018 Jan 15;339: 97-109. doi: 10.1016/j.taap.2017.11.025. Epub 2017 Dec 8.
7. **M. A. Mousa, M. A. Elshahat, W. M. Renno** (2018). Effect of developmental lead exposure on neurogenesis and cortical neuronal morphology in Wistar rats. *Toxicology and Industrial Health*, 34 (10):665-678. doi: 10.1177/0748233718781283. Epub 2018 Jul 13. PMID: 30003842.
8. Rahman A, **Rao MS**, Khan KM (2018). Intraventricular infusion of quinolinic acid impairs spatial learning and memory in young rats: a novel mechanism of lead-induced neurotoxicity. *J Neuroinflammation*. 15(1):263. doi: 10.1186/s12974-018-1306-2.
9. **Kilarkaje N, Al-Hussaini H.** (2019) Type 1 diabetes upregulates metastasis-associated protein 1- phosphorylated histone 2AX signaling in the testis. *Eur J Pharmacol*, 5; 846: 30-37.
10. Teresa Joy, **Muddanna Rao, Sampath Madhyastha*** (2019). Effect of N-acetyl cysteine on intracerebroventricular colchicine induced cognitive deficits, beta amyloid

pathology and glial cells. *Neuroscience journal*; Article ID 75447382 (Hindawi Publishers)

11. **Abd-El-Basset, E. M. and Rao, M. S.** (2019): dBcAMP Rescues the neurons from degeneration in Kainic acid injured hippocampus and enhances learning and memory and neurogenesis (submitted)
12. **Abd-El-Basset, EM; Ameera Alsaqobi and Rao. M.S.** (2019): Interferon-Gamma and Interleukin- 1Beta Enhance the Secretion of Brain Derived Neurotropic Factor (BDNF) and Promotes the Survival of Cortical Neurons in Brain Injury (submitted)
13. Akhtar S, Chandrasekhar B, Yousif MH, **Renno W**, Benter IF, El-Hashim AZ. (2019) Chronic administration of nano-sized PAMAM dendrimers in vivo inhibits EGFR-ERK1/2-ROCK signaling pathway and attenuate diabetes-induced vascular remodeling and dysfunction. *Nanomedicine*. Mar 4. pii: S1549-9634(19)30043-7. doi: 10.1016/j.nano.2019.02.012. [Epub ahead of print], PMID: 30844576
14. Cherian SB, Bairy KL, **Rao MS** (2019) Sexually dimorphic effects of chronic prenatal restraint stress on hippocampal neurogenesis using doublecortin immunostaining technique. *International Journal of Research & Review* (www.ijrrjournal.com) 370 Vol.69(5) 370-377
15. Rahman A, Al-Qenaie S, **Rao MS**, Khan KM, Guillemin GJ (2019) Memantine is protective against cytotoxicity caused by lead and quinolinic acid in cultured rat embryonic hippocampal cells. *Chem Res Toxicol*. 15. doi: 10.1021/acs.chemrestox. 8b00421.

2. Community Services:

a) Participation in Ministry/government activities

b) Offices held in professional organizations

Dr. Alyaa Mousa

- Representative of International Centre for Diarrheal Disease Research, Bangladesh (icddr-b) in Kuwait and the Gulf Region, TIES Center, Kuwait

c) Advisory editor services for professional journals

Prof. Narayana Kilarkaje

Editorial Board member:

- EC Gynecology

2016-

- Archives of Medicine & Health Sciences 2014-
- Borneo Journal of Medical Sciences 2013-
- Journal of Endocrinology and Thyroid Research (JETR) 2016-
- SM Journal of Clinical Andrology 2016-
- Global diabetes 2017-

As a peer reviewer of scientific papers for publications:

- Biological Trace Element Research
- Biomedicine & Pharmacotherapy
- Chemico-biological interactions
- Diabetologia
- Drug and Chemical Toxicology
- Environmental Toxicology
- Reproduction
- Reproductive Sciences
- Toxicology and Applied Pharmacology

Dr. Ebtasam Abd-El-Basset

Peer reviewer of scientific papers for publication:

- Molecular Histology
- Journal of neuroinflammation

Dr. Muddanna Rao

Reviewer for the following journals.

- Review Editor, for Frontiers in Molecular Neuroscience
- BMC Complementary and Alternative Medicine
- Seizure: European Journal of Epilepsy
- International Journal of Medicine and Medical Sciences

d) Active participation in professional conferences

Prof. Narayana Kilarkaje

- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Experimental Biology Meeting, Oralndo, USA, April 06-10, 2019.

Prof. Waleed Renno

- Society for Neuroscience 2018, San Diego, CA, USA November 2018.
- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Experimental Biology Meeting, Oralndo, USA, April 06-10, 2019.

Dr. Ebtesam Abd-El- Basset.

- Neurotrophic factors (GRC) Newport, RI, USA June 2018.
- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Internal medicine Conference in collaboration with Harvard medical faculty physicians". Millennium Hotel - Kuwait from 7th - 9th March, 2019.

Dr. Muddanna Rao

- 48th Annual meeting of Society for Neuroscience, held at San Diego, USA (November 3-7, 2018).
- 24th HSC, Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019

Dr. Sampath Madhyastha

- 58th Annual meeting of the Society of Toxicology, Baltimore, USA, (March 10 -14, 2018).

Dr. Alyaa Mousa

- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- 2nd Global Meeting on Diabetes and Endocrinology Istanbul, Turkey, May 30-31, 2019

Dr. Heba Al-Hussaini

- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Society of Toxicology Annual Meeting, 2019.

e) Contribution to committees in the Faculty of Medicine

Prof. Narayana Kilarkaje

1. Director of Kuwait Animal Resource Center
2. Chairman, Department of Anatomy
3. Member of Phase II curriculum committee
4. Member, HSC Animal Ethics Committee
5. Member of M.Sc., Biomedical Sciences
6. Member of the Faculty Council
7. Member of Higher Scientific Committee
8. Member of Judging Committee for the Poster Conference, 2019
9. Member of Promotion review committee

Prof. Waleed Renno

1. Director of the Consultation and Training office at the Faculty of Medicine, 2010 - Present.
2. Member, Musculoskeletal System (Phase II- Medical & Dental)
3. Coordinator - Oral Science Summer Course (2014 – Present)
4. 5th and 6th Year Surgery program (Phase III- Multidisciplinary Activities)

5. Member of Dental Faculty Examination Committee for Phase II – January 20, 2010 – Present
6. Member of the Kuwait Surgical Board Part I Examination Committee
7. Member of the Promotion review committee for several FOM members
8. Member of the Departmental appointment and Contract Renewal Committee, Department of Psychiatry

Dr. Muddanna Rao

1. Coordinator-Nervous System Module (2018 -2019)
2. Member, Subcommittee on Student policies (2018-2019) (Academic Accreditation subcommittee)

Dr. Sampath Madhyastha

1. Member, Examination review committee
2. In charge of OSP Examination (Year 4) for Anatomy Department

Dr. Alyaa Mousa

1. Anatomy Master Program Director, 2019 -To date
2. Graduate Program Area Committee of the Faculty of Medicine
3. Internal examiner for Viva Voce Examination for phase II Students-4th Year Team C, May 20 & 21, 2019, Faculty of Medicine, Kuwait University.
4. Member, of Committee of Academic Affair, Kuwait University Faculty Association (KUFA), Kuwait (2017- To date)

Dr. Heba Al-Hussaini

1. Chairperson, PBL Committee (2012- 2019)
2. Member, Accreditation Committee (2018)
3. Member, Safety Committee (2016- 2019)

f) Contributions to committees outside the Faculty

Prof. Narayana Kilarkaje

1. Member of American Association of Clinical Anatomists (AACA)
2. Member of Anatomical Society
3. Member of Society for Toxicology
4. Member of Association of Toxicology

Dr. Ebtessam Abd-El-Basset

1. Society for neuroscience
2. American association of Clinical Anatomist

Dr. Alyaa Mousa

1. Member of the Society for Neuroscience (SFN), 1994- To date
2. Member of International Vaccine Institute Friend's Society (IFS), 2006-To date
3. Member of International Society for Stem Cell Research (ISSCR), 2009- To date
4. Member, Kuwaiti Women philanthropic team, (2017 –to date)

5. Member, Kuwait Women's Cultural and Social Society, (2011 –to date)
6. Member, Alzheimer Committee of Kuwait Women's Cultural and Social Society, (2012 – to date)
7. International consultant for ICDDR-b, Bangladesh (2014 –to date)

3. Physical Facilities

The teaching facilities available at the Faculty of Medicine and Health Sciences Centre are utilized by the members of the department for delivering lectures, seminars, PBLs, clinical skills, tutorials, small group teachings and practical, etc. In addition, the following physical facilities are used in the Department for teaching, research, and staff offices, etc.

Room Nm.:	Designation:	Usage:
237	Meeting Room	Office/PBL
250	Microscope Room	Office/Room
253	Seminar Room	Lectures/Seminars
243	Secretary Office	Office
241	Tissue Culture Lab	Lab
243C	Fax Room	Room/ Meetings
051(BD)	Physician Room (DR)	Room
235	Dark Room	Room
242	General Facility Lab	Lab/MS. Office
252	General Facility Lab	Lab
251	Service Room	Kitchen
232	Women Washroom	Room
231	Men Washroom	Room
239	Ultramicrotomy Lab	Lab