

Faculty Info Sheet

Name: Rania Gomaa

Title: Director of Master Program in Science of Forensic Biotechnology

Scientific Degree: Associate Professor

Education:

- PhD in Forensic Genetics, School of Science and Technology, Nottingham Trent University, UK. (December 2010)
- Master in Forensic Medicine and Clinical Toxicology, Faculty of Medicine, Alexandria University, Egypt. (March 2003)
- Bachelor of Medicine and Surgery, Faculty of Medicine, Alexandria University, Egypt. (October 1998)

Research Interest and publication (kindly add published papers titles with links if there are any)

1. Salehi J, Nader L, Gomaa R. **Use of mRNA Markers for Age Prediction in Healthy and Unhealthy Individuals of Indian Subcontinent.** International Journal of Sciences: Basic and Applied Research (IJSBAR). 2018; 37, (1):175-84.
https://www.researchgate.net/publication/322628429_Use_of_mRNA_Markers_for_Age_Prediction_in_Healthy_and_Unhealthy_Individuals_of_Indian_Subcontinent
2. Gomaa R, Salehi J, Behl Sh. **DNA Methylation as a Biomarker for Body Fluid Identification.** Arab Journal of Forensic Sciences & Forensic Medicine 2017; 1(6): 625-38.
<https://journals.nauss.edu.sa/index.php/AJFSFM/article/view/315>
3. Kholeif M, El shanawany S, Gomaa R. **Sex determination from dental pulp DNA among Egyptians.** Egyptian Journal of Forensic Sciences. 2017; 7:29. <https://ejfs.springeropen.com/articles/10.1186/s41935-017-0030-x>

5. Taha E, Gomaa R, Nader L. **Validation of Recently Discovered mRNA Stable Regions as Biomarkers for Body Fluids after Exposure to Environmental Hazards.** International Journal of Sciences: Basic and Applied Research (IJSBAR). 2017; 36(5): 193-207.
https://www.researchgate.net/profile/Nono_Mohd/publication/320895728_Validation_of_Recently_Discovered_mRNA_Stable_Regions_as_Biomarkers_for_Body_Fluids_after_Exposure_to_Environmental_Hazards/links/5a019a550f7e9bfd745b8f0d/Validation-of-Recently-Discovered-mRNA-Stable-Regions-as-Biomarkers-for-Body-Fluids-after-Exposure-to-Environmental-Hazards.pdf
6. Begum G, Mohamed I, Zahoor H and Gomaa R. **A study of potential cytotoxic effect of 1,4 Dioxane on human hepatic cell line (Hep 10).** International Journal of Recent Scientific Research Research. 2016; 7(11):14320-25.
<http://www.recentscientific.com/study-potential-cytotoxic-effect-14-dioxane-human-hepatic-cell-line-hep10-0>
7. Seif E, Gomaa R and Essa M. **A retrospective study of acute poisoning in children under 5 years old admitted to Alexandria Poison Center in Egypt.** The World Journal of Preventive Medicine. 2016; 4(2): 32-9.
<http://pubs.sciepub.com/jpm/4/2/2/index.html>
8. Fouad A, Gomaa R and Farag M. **A study of possible association between Cannabinoid receptor gene II and drug dependence.** The American Journal of Medical and Biological Research. 2016; 4(4):66-72.
<http://pubs.sciepub.com/ajmbr/4/4/1/index.html>
9. Gomaa A, Nomeir H and Zaytoun S. **Assessment of health hazards of passive tobacco smoking in school-age children: role of oxidative stress biomarkers and nitric oxide metabolites.** World Journal of Analytical Chemistry. 2016; 4(2): 19-25.
<http://pubs.sciepub.com/wjac/4/2/2/>

10. Al-Kamali F., Osman F., and Gomaa R. **CAG expansion length correlation with the rate of clinical progression in Huntington's disease.** International Journal of Recent Scientific Research. 2015; 6(7):5175-9.
https://www.researchgate.net/publication/280548435_CAG_EXPANSION_LENGTH_CORRELATION_WITH_THE_RATE_OF_CLINICAL_PROGRESSION_IN_HUNTINGTON'S_DISEASE
11. Begum G, Zohoor H, Akhondi A and Gomaa R. **Frequency of G2019S LRRK2 mutation in parkinson's disease among diverse populations.** International Journal of Recent Scientific Research. 2015; 6(6): 4894-7.
<http://www.recentscientific.com/sites/default/files/2745.pdf>
12. ElSehly W, Ali A., Gomaa R and Zaghloul A. **Prospective and retrospective study of pattern of tramadol overdosed patients admitted to Alexandria Main University Hospital.** Journal of Medical Science and Clinical Research. 2015; 3(7): 6441-9.
https://www.researchgate.net/publication/322656648_Retrospective_Study_of_Pattern_of_Tramadol_Overdosed_Patients_Admitted_to_Alexandria_Main_University_Hospital
13. Gomaa R and Sheta A. **Identification of male DNA in male and female mixtures of forensic samples: Implications in Crime Scene Investigations.** Proceedings of the 1st Annual International Conference on Forensic Sciences and Criminalistics Research (FSCR). Global Science and Technology Forum digital library 2013.
<http://dl4.globalstf.org/?wpsc-product=identification-of-male-dna-in-male-and-female-mixtures-of-forensic-samples-implications-in-crime-scene-investigations>

Hobbies:

Playing tennis table
Playing basketball
Listening to music

Biography brief:

Dr. Rania Gomaa is Associate Professor of Forensic Biotechnology, at College of Biotechnology, University of Modern Sciences. Rania has the following qualifications: BSc Medicine and Surgery (Faculty of Medicine, Alexandria University, Egypt), MSc Forensic Medicine and Toxicology (Faculty of Medicine, Alexandria University, Egypt), PhD Forensic Genetics (Nottingham Trent University, UK). Rania has 17 years of teaching experience at Alexandria University in Egypt, Nottingham Trent University in the UK, and University of Modern Sciences in Dubai. She has taught at medical and biotechnology undergraduate levels as well as postgraduate levels; both Master and PhD. She has research experience in molecular genetics, toxicology and forensic medicine. Rania's current research areas include molecular biomarkers for body fluid identification, RNA stable markers for determination of postmortem intervals. In addition to, cytotoxicity studies of varying toxicants on different human cell lines. Rania is an Editor in Journal of Forensic Psychology and active reviewer in Egyptian Journal of Forensic Sciences.