

Curriculum Vitae

Dr. Jehane Ibrahim Eid

Associate Professor, Department of Zoology, Faculty of Science, Cairo University

Name	Jehane Ibrahim Eid Ibrahim
Academic Degree	Ph.D.
Date of Birth	February 15, 1978
Place of Birth	Giza, Egypt
Gender	Female
Nationality	Egyptian
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Email	jehaneeid@sci.cu.edu.eg jehanee@gmail.com
Address	Faculty of Science, Department of Zoology, Cairo University, P.O. Box 12613, Cairo, Egypt
Specialization	Molecular Biology
Current Position	Associate Professor, Zoology Department, Faculty of Science, Cairo University, Giza, Egypt
Additional Tasks	Head of Quality and Accreditation committee – Department of Zoology – Faculty of Science – Cairo University
Academic Background	Ph.D. Molecular Biology, 2010 M.Sc. Molecular Biology and Histology, 2006 B.Sc. Honors (With Distinction) in Chemistry/Zoology, May 1999
Professional Experience	July, 2016 – present: Associate Professor, Zoology Department, Faculty of Science, Cairo University September, 2018 – September, 2019: Associate Professor, Basic Sciences Department, Adham University College, Umm-Alqura University, Makkah, Kingdom of Saudi Arabia June, 2018 – September, 2018: Associate Professor, Biology Department, Faculty of Applied Science, Umm-Alqura University, Makkah, Kingdom of Saudi Arabia March, 2017 – May, 2018: Head of Academic Affairs unit in Deanship of university studies for girls - Umm-Al Qurra University – Makkah – Saudi Arabia September, 2014 – June, 2018: Assistant Professor, Biology Department, Faculty of Applied Science, Umm-Alqura University, Makkah, Kingdom of Saudi Arabia September, 2014 – September, 2016: Coordinator of the "Quality and Academic Accreditation Program", Biology Department, Faculty of Applied Science, Umm-Alqura University, Makkah, Kingdom of Saudi Arabia

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Associate Professor, Department of Zoology, Faculty of Science, Cairo University

September, 2010 – July, 2016: Assistant Professor, Zoology Department, Faculty of Science, Cairo University

June, 2006 – September, 2010: Assistant Lecturer, Zoology Department, Faculty of Science, Cairo University

December, 2000 – June, 2006: Demonstrator, Zoology Department, Faculty of Science, Cairo University

August, 2000 – October, 2000: Scientific Assistant in the office of the Minister of Scientific Research and Higher Education, Egypt

Education:

Ph.D. Study

Evaluation of microsatellites as molecular biomarkers for heavy metal toxicity in the laboratory rat (*Rattus norvegicus*). (Thesis)

M.Sc. Study

Tracing of programmed cell death (apoptosis) during the embryonic development of the egyptian toad (*Bufo regularis*). (Thesis)

Laboratory Experience

Professional in all aspects of molecular biology techniques

Purification and isolation of nucleic acids (DNA and RNA) and Proteins from a varieties of starting materials.

Quantification, Separation and identification of protein molecules using SDS-PAGE and ELISA

Designing and conducting PCR and RT-PCR with high accuracy

Analysis of Data using professional softwares

Professional Handling of experimental animals

Performing many biochemical tests

Histological and immunohistological techniques

High experience in conducting different molecular biology techniques

Performing statistical data analysis

Bioinformatics: Computer data analysis of nucleotide and protein sequences, Primer design, restriction maps, DNA and Protein alignments, and others.

Scientific Societies

Member of *Environmental Mutagenesis and Genomics Society* 2015-present

Member of *Egyptian German Society of Zoology* 2010-

Member of *Egyptian Zoology Society* 2001-

Participation in Social Organizations

Organized Series workshop entitled "Principles of Molecular Biology and its applications", Umm-Alqura University, Mekkah, Saudia Arabia. (1-22 Decmber 2014)

Participated in the organization of seminar entitled "The Ethical Parameters For Scientific Research And Its Applications In The Service Of Society", Tanta University. (2012)

Curriculum Vitae

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Associate Professor, Department of Zoology, Faculty of Science, Cairo University

Participated in the organization of 7th Annual International Conference Of The Egyptian Society of Experimental Biology, Cairo University. (2011)

Participated in the organization of the 3rd Tournament of Friendship for Egyptian Faculties of Science, Cairo University. (February, 2008)

Participated in the organization of the Annual Graduation Ceremony for the Faculty of Science, Cairo University. (March, 2007)

Honors and Prizes

Awarded the prize of the for the session best paper in the international conference of international institute of Chemical, Biological & Environmental Engineering (IICBEE), Dubai, March 13-15, 2017.

Awarded the prize for ideal Lecturer Assistant in the Zoology Department, Faculty of Science, Cairo University, by the Cairo University Staff Club, 2007

Editing and Reviewing

International Advisory Board Member, Asian Journal of Biological and Life Sciences Journal, Pharmaceutical and Biological Society (PBS)

Advisory Board Member, Asian Journal of Pharmaceutical and Health Sciences Journal, Pharmaceutical and Biological Society (PBS)

Reviewed manuscripts for peer-reviewed journals (including *Plant Physiology*, *Biochemistry* and *African Journal of Biotechnology*)

Training Courses and Workshops

Attended the workshop "E-Learning: A New Paradigm in Higher Education", Umm-Alqura University, Mekkah, Saudia Arabia. (2015)

Participated in the module entitled "Self-Marketing" of th further domain "Programme Prepration" within The DAAD Kairo Akademie, Cairo (2014)

Attended the Faculty & Leadership Development Project (FLDP) course for: "Managing Research Teams" (2014)

Attended the Faculty & Leadership Development Project (FLDP) course for: "The Credit Hour Systems" (2014)

Attended the workshop "Endnote References and Data Management using EndNote X5 Software" Faculty of Science, Cairo University. (March, 2012)

Participated in the module entitled "Proposal Writing for Post-Docs" of th further domain "Programme Prepration" within The DAAD Kairo Akademie, Cairo (2011)

Attended the workshop "Bioinformatics" Al-Azhar University, Cairo, Egypt. (July, 2011)

Attended the workshop "Nanotechnology-based Economy and its Application", Hilton Dream, Dreamland, Egypt. (June, 2011)

Attended BioVision Alexandria 2010, Bibliotheca Alexandrina, Alexandria. (April, 2010)

Attended the Faculty & Leadership Development Project (FLDP) course for: "Scientific Publishing" (February, 2009).

Attended the Faculty & Leadership Development Project (FLDP) course for: "Effective Presentation" (June, 2008).

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Attended the Workshop "How To Write Proposal", Faculty of Science, Cairo University. (February, 2008).

Attended the Faculty & Leadership Development Project (FLDP) course for: "Conduct of the Profession" (January, 2008).

Attended Summer School on "Protein Crystallography and Drug Design", Faculty of Science, Cairo University. (May, 2006)

Attended the Pathways to Higher Education Training Program at the Centre for the Advancement of Postgraduate Studies and Research in Engineering Science, Faculty of Engineering, Cairo University (CAPSCU) from (December, 2003 to January, 2004)

Conferences

8th Annual International Conference Of The Egyptian Society Of Experimental Biology, Cairo University. (2012)

27th Scientific Conference of the Egyptian Society of Basic Medical Sciences, Faculty of Medicine, Cairo University. (2008)

4th Conference of The Egyptian Society of Experimental Biology, October 6 University, Cairo, Egypt. (February, 2008)

18th International Conference of the Egyptian Germany Society of Zoology, Ain Shams University, Cairo, Egypt (March, 2008)

5th International Conference on Chemical, Agricultural and Biological Sciences (CABS-2017) March 13-14, 2017 Dubai (UAE)

Computer Skills

Proficient in the use of Microsoft Office Suite (Word, Excel, PowerPoint)

Graphics (Photoshop)

Statistics (GraphPad Prism)

Experienced in bioinformatics and online molecular data analysis as well as commercial software packages

General Skills

Skilled in both oral and written communications; confident public speaker; sound decision maker; aptitude for mathematics; competent problem solver; analytical; technical; pro-active; accurate; attentive to detail; well-organized; efficient; self-motivated; creative; excellent time management skills; relates well with others; can follow instructions; supervisory and staff training experience; capable of motivating others; effectual team player

Languages

Arabic (first language)

English (first foreign language) - Advanced

German (second foreign language) - Intermediate

Teaching Experience

2010–present: Teaching and supervision of weekly sessions

- Preparation, teaching, and supervision of Molecular Biology lectures for 4th year Chemistry/Zoology students
- Preparation, teaching and supervision of Biotechnology lectures for 4th year Chemistry/Zoology students.

Curriculum Vitae

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- Preparation, teaching and supervision of Genetic Engineering and Gene Therapy theoretical lectures for 4th year Biochemistry students.
- Preparation, teaching and supervision of Advanced Molecular Biology lectures for Pre-Master students.
- Preparation, teaching and supervision of Genetic Engineering and DNA Technology lectures for PhD students.
- Preparation, teaching and supervision of Animal Genetics lectures for 1st year Biotechnology students.
- Supervision of Practical Molecular Genetics courses for 2nd year Biotechnology program students.
- Supervision of Genetics courses for 2nd year chemistry/zoology and Biochemistry students.
- Supervision of Cell Biology courses for 2nd year chemistry/zoology and Biochemistry students.
- Supervision of Histochemistry courses for 4th year Chemistry/Zoology students.

2000–2009: Weekly teaching sessions

- Practical systematic zoology courses for pre-dental, pre-pharmacy, and first year science students
- Practical Histochemistry courses for 4th year and B.Sc. Chemistry/Zoology students .
- Practical Genetics courses for 2nd year and B.Sc. Chemistry/Zoology students.
- Practical Cell biology courses for 2nd and 4th year and B.Sc. Chemistry/Zoology, 2nd year Biochemistry students and 2nd year Biotechnology program students.
- Practical Protein Expression for 4th year Biotechnology program students.
- Practical Molecular biology for 2nd year Biotechnology program students.
- Practical Cell biology courses for 2nd year and B.Sc. Biophysics students.

Supervision of Graduation Projects

Supervised a graduation project entitled “**Stem Cell Therapy: Charging Toward a Bright Future**” by Biology Department students, Faculty of Applied Sciences, Umm-Alqura University. (Spring, 2015)

Supervised a graduation project entitled “**Gene Therapy: Revolution of Hope**” by Biology Department students, Faculty of Applied Sciences, Umm-Alqura University. (Summer, 2015)

Supervision	Name of student	Title of thesis	Registration Date
Ph.D.	Aliaa El-Kaddy	In vivo genotoxic and anti-genotoxic studies of the common Praziquantel(PZQ) and the novel (BDHQ) anti-schistosomal drugs.	2011 Awarded
	Fatma Kasem	Evaluation of the fetal- and maternal toxicity of the antifungal drug, itraconazole, in pregnant rats	2012 Awarded
	Wesam Taha	Evaluation of the mutagenicity of some insecticides on <i>Drosophila melanogaster</i>	2012 Awarded
	Shereen Ramadan	Molecular and histopathological studies on the protective effect of natural antioxidants on gastric ulcer in Swiss albino mice	2012 Awarded

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M.Sc.	Heba Abd-Elraaouf	Expression and mutation frequency of some immuno-regulatory genes in mice infected with certain <i>Aspergillus</i> fungi species.	2010 Awarded
	Neveen Sobhy	Antigenotoxic and Antifungal Effects of The Egyptian <i>Sepia Officinalis</i> Ink Extract in Neutropenic Mice With Invasive Pulmonary Aspergillosis	2012 Awarded
	Shimaa Abd Elazem	Genotyping for some genes associated with milk-production and composition in Zaraibi goat	2012 Awarded
	Shimaa Mahomoud	Evaluation of the Molecular Mechanisms Controlling the Expression of Certain Cancer-related Apoptotic Genes Induced by Bisphenol A in <i>Rattus Norvegicus</i>	2012 Awarded
	Wesam Ali	Efficacy of the chitosan for the treatment of invasive candidiasis in <i>Candida albicans</i> infected mice: a correlative study with antigenotoxic and and antioxidative effect	2012 Awarded
	Eman Mansour	Therapeutic effect of Mefloquine -Loaded polymeric Nanoparticles on Murine Schistosomiasis: Molecular and Physiological studies	2012 Awarded
	Mohand Al-Killidar	Curative Effect of the sea cucumber <i>Holothuria arenicola</i> extract Against expermentally-Induced Gastric Ulcers in Rats	2013 Awarded
	Aliaa Makkawy	Toxicological Study of Tamoxifen Carried on Ag@zno (Core-shell) Nanoparticles on Different Organs in Nitroso-methyl Urea-induced Breast Cancer Rat Model	2020
	Rehab Mohamed Hassan	Therapeutic Potential Of Mesenchymal Stem Cells And/Or Ag@Zno Core-Shell Nanoparticles In NMU- Induced Breast Cancer Rat Model	2020

References

Prof. Dr. Rashika El-Ridi, D.Sc.

Professor of Immunology, Zoology Department, Faculty of Science, Cairo University

Laureate for the 2010 UNESCO-L'Oreal Award

rashika_elridi@yahoo.com

Prof. Dr. Akmal El-Ghor, Ph.D.

Professor of Genetics, Zoology Dept., Faculty of Science, Cairo University.

Director in charge of the Central Laboratory of Biotechnology, Zoology Dept., Faculty of Science. Cairo University

akmalelghor@gmail.com

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Books

Eid JI. Microsatellite Instability within Fragile Sites in the Rat Genome: MSI induced by Heavy Metals. LAP LAMBERT Academic Publishing. ISBN: 978-3845401355. (2012)

List of Publications

Eid JI, Mohanty S. and Das B. Genoprotective effects of Chaga mushroom (*Inonotus obliquus*) polysaccharides in UVB-exposed embryonic zebrafish (*Danio rerio*) through coordinated expression of DNA repair genes. *BioRxiv* (Preprint), (2020) doi: <https://doi.org/10.1101/2020.06.19.161182>

Eid JI, Das B, Al-Tuwaijri MM and Basal WT. Targeting SARS-corona virus-2 with Chaga mushroom: An in-silico study towards developing a natural anti-viral compound. *Natural Product Research* [submitted] (2020)

Eid JI and Das B. Molecular insights and cell cycle assessment upon exposure to Chaga (*Inonotus obliquus*) mushroom polysaccharides in zebrafish. *Scientific Reports* **10**:7406 (2020) doi: <https://doi.org/10.1038/s41598-020-64157-3>

Eid JI, Teleb DF, Mohamed SA. El-Ghor AA. DGAT1 polymorphism in Egyptian zaraibi goats. *JoBAZ* **81**: 38 (2020) doi: <https://doi.org/10.1186/s41936-020-00176-w>

Eid JI and Al-Tuwaijri MM. Chaga mushroom (*Inonotus obliquus*) inhibits growth of lung adenocarcinoma (A549) cells but not *Aspergillus fumigatus*. *Current topics in nutraceutical research*. Volume 16(4): 289-296, (2018)

Eid JI, Awad AA, Basal WT, El-Ghor AA. Evaluation of genotoxicity of leufenuron and chlorfluazuron insecticides in *Drosophila melanogaster* using germ-line cell aneuploidy and chromosomal aberrations test. *Journal of Advanced Research in Dynamical and Control System*. Volume 10(2): 196-204, (2018)

Eid JI, Al-Tuwaijri MM. Study of antigenotoxic effect of sepia ink extract against aspergillosis. *International Journal of Current Research* 9(2):46047-46055 · February 2017.

Teleb DF, **Eid JI,** Mohamed SA, El-Ghor AA. Role of genetic variation of α s1-casein, lactation time and parity on milk production and composition of zaraibi goats. *Egyptian Journal of Sheep & Goat Sciences*. Volume 11(1): 17-34 , April 2016

Eid JI. Dose-dependent effects of Bisphenol A exposure on DNA damage in brain of young mice. *Asian journal of Biological and Life Sciences*. Volume 4(2): 143-149, 2015 (2015)

Eid JI, Eissa SM, El-Ghor AA. Bisphenol A induces oxidative stress and DNA damage in hepatic tissue of female rat offspring. *The Journal of Basic & Applied Zoology*, 71:10-19. (2015)

El-Shershaby AF, Imam A, Helmy M, **Eid JI,** Kassem F. Biomonitoring of the Genotoxic and Hepatotoxic Effects and Oxidative Stress Potentials of Itraconazole in Pregnant rats. *Birth Defects Research Part B Developmental and Reproductive Toxicology*, 104(2):55-64. (2015)

Amer M, **Eid JI,** Ramdan S. Evaluation of gastric and hepatic protective effects of Kiwifruit extract on toxicity of indomethacin in Swiss albino mice using histological studies. *International Journal of Science and Research (IJSR)*, 3(7): 1631-1641. (2014)

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Eid JI, Abdelraouf HM, Abdelrahman TM, El-Ghor AA. Comparative evaluation of mutational and mRNA expression pattern of pulmonary cytokines after infection with *Aspergillus flavus* and *Aspergillus fumigatus*. *Disease and Molecular Medicine*, 2(2): 32-40. (2014).

Eid JI, Mohammed AR, Hussein NA, El-Shennawy AM, Noshay MM, Abbas M. In vivo antioxidant and genotoxic evaluation of an enaminone derivative of 4-hydroxyquinolin-2(1H)-one (BDHQ) combined with praziquantel in uninfected and *Schistosoma mansoni* infected mice. *Journal of Applied Pharmaceutical Science* Vol. 4 (5): 25-33 (2014)

El-Shershaby AF, Imam A, Helmy M, **Eid JI**, Kassem F. In utero exposure to itraconazole during different gestational periods of rats. *Toxicology Mechanisms and Methods*, 24(1):50-9 (January, 2014)

Hussein RM and **Eid JI**. Pathological mechanisms of liver injury caused by oral administration of bisphenol A. *Life Science Journal*, 10(1): 663-673 (January, 2013)

El-Ghor AA, Noshay MM, **Eid JI**. Lead and arsenic induced instability of microsatellites located at three different fragile sites (6q21, 9q32-9q33 and 15p14) within rat genome. *Mutation Research*, 726: 195-199 (December, 2011)

El-Ghor AA, Noshay MM, El Ashmaoui HM, **Eid JI**, Hassanane MS. Microsatellite instability at three microsatellite loci (D6mit3, D9mit2 and D15Mgh1) located in different common fragile sites of rats exposed to Cadmium. *Mutation Research*, 696: 160-166 (February, 2010)

Mohamed MM, Issa AM, **Eid JI**, Abdelkader IY. 2006. Apoptosis: a major mechanism involved in the embryonic development of *Bufo regularis*. *Egypt. J. Zool.*, 46: 473-491 (June, 2006)