

CURRICULUM VITAE



Name : Wesam Taha Basal
Nationality : Egyptian
Present Position : Assistant professor of Histology, cell biology,
Molecular Biology and Biotechnology
Date of Birth : 15/11/1976
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Education:

1. B. Sc. Zoology/chemistry, 1998, Faculty of science, Cairo University.
2. M. Sc. (Expression of Fasciola proteins by mammalian host using DNA technology), 2006, Zoology Dept., Faculty of science, Cairo University.
3. Ph. D. (Evaluation of Genotoxicity of Lufenuron and Chlorfluazuron Insecticides in *Drosophila melanogaster* Using a Germ-Line Cell Aneuploidy and Chromosomal Aberrations Test), 2014, Zoology Dept., Faculty of science, Cairo University.

Training:

1. Vacsera 1998-2003
2. Naval Medical Research Unit (NAMRU) 2003-2006.

University Positions:

- Teaching assistant, Zoology Dept., Faculty of science, Cairo University, (1999-2007).
- Assistant Lecturer, Zoology Dept., Faculty of science, Cairo University, (2007-2014)
- Lecturer, Zoology Dept., Faculty of science, Cairo University, (2014- till Now).

Key Qualifications:

1. Teaching different courses for graduate and postgraduate students.
2. Supervision of many M.Sc. and PhD postgraduate students.
3. Participation in many social and practical activities concerning graduate and postgraduate students.

Courses:

Course	Level
Advanced molecular biology (Z411)	Fourth year students
Histochemistry and micro-technique (Z412)	Fourth year students
Tissue culture	Post graduates
General cell biology (BTbio111)	First year biotechnology students
Advanced cell biology (Z211)	Second year students
Advanced Molecular and cell biology	Second year bioinformatics program students at Faculty of Computers and Information
Introduction to cell and molecular biology	First year students at Faculty of Physical Therapy

Extra University Positions and activities:

1. Member of the Micro-technique committee (2016- till now)
2. Former member of Library committee (2015-2016)
3. Former member of Construction committee (2015-2016)
4. Member of the board of anti-addiction support unit at Cairo University. (2018- till now)
5. Head of foreigner students' affairs (1/2019- 10/2020)
6. Member of students' affair committee at the faculty of science (10/2019- 10/2020)
7. Participated in the preparation and onset of the first foreign students festival at the faculty of science (2018-2019)
8. Cooperated with quality assurance unit at faculty of science by preparing and teaching special preparatory courses for freshly graduated teaching assistants (2017-2020)
9. Organized and participated in a workshop about DNA Extraction and PCR applications (25/3/2013)

Training courses

1. Training about strategic thinking and planning organized by quality assurance unit at the faculty of science 15/2/2015
2. A course by researcher academy (Elsevier): Evidence Base Medicine for Clinical Practice of COVID-19 (6/5/2020)
3. A course by researcher academy (Elsevier): Elsevier Modern Knowledge Cycle: ScienceDirect & Mendeley (17/5/ 2020)
4. Attending a training course (examination systems and student evaluation) at Cairo University (23/5/2014)
5. Attending a training course (Research Team Management) at Cairo University (31/3/2014)
6. Attending a training course (Effective Presentation Skills) at Cairo University (14/4/2014)
7. Attending a training course (international publication of scientific research) at Cairo University (22/4/2014)
8. Attending a training course (using technology in teaching) at Cairo University

(28/4/2014)

9. Attending a training course (financial and legal aspects of working in university) at Cairo University (19/5/2014)
10. Attending a training course (Ethics of Scientific Research) at Cairo University (31/5/2014)
11. Attending a training course (credit hour systems) at Cairo University (2/6/2014)
12. Attending a training course (recent trends in teaching) at Cairo University (4/6/2014)
13. Attending a training course (communication skills in different education styles) at Cairo University (7/6/2014)
14. Attending a training course (Research Team Management) at Cairo University (21/5/2020)
15. Attending a training course (statistical analysis in biological experiments) at Cairo University (13/6/2020)
16. Attending a training course (interactive electronic courses) at Cairo University (6/17/2020)
17. Attending a training course (positive thinking) at Cairo University (7/7/2020)
18. Attending a training course (Egyptian Knowledge Bank and Search for Sources) at Cairo University (8/7/2020)
19. Attending a training course (critical thinking) at Cairo University (7/8/2020)
20. Attending a training course (Basics of Blended Learning) at Cairo University (5/12/2020)

Conferences

1. International Conference of Risk Assessment for Environmental Genotoxics (participated with a poster 12/2019)
2. Participated in the 44th annual scientific conference of the Egyptian Society of Histology and Cells, Cairo 7/12/2020

Scientific Supervision:

Supervising (10) M.Sc. and 1 PhD theses in the Dept of Zoology, Faculty of Science, Cairo University.

List of Publications:

- 1- Jehan I. Eid, Abdel-Fattah A. Awad, Wesam T. Basal, Akmal A. El-Ghor (2017).**
Evaluation of Genotoxicity of Lufenuron and Chlorfluazuron Insecticides in *Drosophila melanogaster* Using a Germ-Line Cell Aneuploidy and Chromosomal Aberrations Test. Int'l Journal of Advances in Agricultural & Environmental Engg., 4(1): 93-101.
- 2- Amal Z. Aledwany, Wesam T. Basal, Neima K. Elsenousy, Aliaa M. Issa (2018).**
Assessment of Genotoxicity of Potassium Nitrate and Sodium Benzoate in *Drosophila melanogaster* Using Smart and Comet Assays. Egypt. Acad. J. Biolog. Sci., 10(2): 83- 97.
- 3- Amal Z. Aledwany, Wesam T. Basal, Neima K. Elsenousy, Aliaa M. Issa (2018).**
Evaluation of the Cytotoxicity, Cell Cycle Perturbations and Apoptotic Induction in Human Normal and Cancer Liver Cell Lines Exposed to Potassium Nitrate and Sodium Benzoate. Egypt. Acad. J. Biolog. Sci., 10(1): 105- 118.
- 4- ElHefny IM, Diab A., AlSenosy NK, Hozayen WG, Amr E Ahmed, Basal W.T.**
Evaluation of the cytotoxicity and apoptotic induction in human liver cell lines exposed to three food additives. Recent Pat. Food Nutr. Agric. 2020 Feb 17. doi: 10.2174/2212798411666200217124630. Epub ahead of print. **PMID: 32065108.**
- 5- ElHefny IM, Hozayen WG, AlSenosy NK, Basal WT, Amr E Ahmed, and Diab A.**
Evaluation of Genotoxicity of Three Food Preservatives in *Drosophila Melanogaster* Using SMART and Comet Assays. Journal of microbiology, biotechnology and food sciences, 10(1): 38-41 doi: 10.15414/jmbfs.2020.10.1.38-41
- 6- Basal WT, Issa AM, Mohammed SES, Mazen SA.**
In vivo evaluation of the toxicity, genotoxicity, histopathological, and anti-inflammatory effects of the purified bioglycerol byproduct in biodiesel industry. Journal of Genetic Engineering & Biotechnology. 2020 Oct;18(1):61. DOI: 10.1186/s43141-020-00079-x
- 7- Basal WT, Ahmed, AT, Mahmoud AA, Omar AR.**
Lufenuron induces reproductive toxicity and genotoxic effects in pregnant albino rats and their fetuses. *Sci Rep* **10**, 19544 (2020). <https://doi.org/10.1038/s41598-020-76638-6>.

- 8- Basal W, Elfiky A, Eid J.** Chaga Medicinal Mushroom *Inonotus obliquus* (Agaricomycetes) Terpenoids May Interfere With SARS-CoV-2 Spike Protein Recognition of the Host Cell: A Molecular Docking Study. International journal of medicinal mushrooms (accepted October 2020).