**Curriculum Vitae**

## Eman Ahmed Ibrahim

Associate professor

Plant Biochemistry Department, Agricultural and Biological Research Division National Research Centre (NRC), Egypt. 87 El-Behouth, Dokki, Cairo, Egypt.

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| **Tel.** | 002-02-33371499 (Office) |
| **Mob.** | 002- 01227022071 |
| **E-mail** | [eman\_1975\_11a@yahoo.com](mailto:eman_1975_11a@yahoo.com).  Ibrahim eman55@gmail.com |

# Private Information:

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| Born | : 11/7/1975 |
| Birth location | : Helwan, Egypt |
| Sex | : female |
| Nationality | : Egyptian |
| Marital Status | : Married |
| Address | : 87 El-behooth St., Dokki 12622, Cairo, Egypt |
| National ID | :27511070104501 |
| ORCID ID | :[http://orcid.org/0000-0002-9322-7671](https://www.scopus.com/redirect.uri?url=http://www.orcid.org/0000-0002-9322-7671&authorId=55925655700&origin=AuthorProfile&orcId=0000-0002-9322-7671&category=orcidLink) |
| Scopus ID | :55925655700 |

**Education:**

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| **1998** | B. Agric. Sci., (Biochemistry), Fac. Agric., Cairo University, |
| **2002** | M.Sc. Agric. Sci. ( Biochemistry) " The Protective Role of Three Antioxidants on The Toxicity of Diniconazole in Experimental Animal", Fac. Agric., Ain shams Univ., |
| **2011:** | Ph..D. Agric. Sci. ( Biochemistry) " Chemical and Biochemical Studies on Some Marine Algae As a Source of Bioactive Substances", Fac. Agric., Cairo University |

**Scientific Interest:**

* Marine algae
* Antioxidant ,anticancer and Antiviral drug development.

# Experiences:

* Feeding Experiments on rats.
* Evaluation of active compounds from plant and algae as antitumor, antioxidant, antimicrobial and antiviral.
* Separation and purification of active compounds from plants by column and TLC chromatography.
* Identification of active compounds from plants by using:- HPLC - GC/MS- LC/MS - IR.

# Conferences & Workshops:

1- Agricultural Biology Research Division Conference “Agricultural development in Sinai”.2012.

2- Third scientific forum of Agriculture and Biology Research Division “Grain production between hope and reality”. organized by agricultural and biological research division. National Research Centre Cairo Egypt, 30/1/2013.

3- Fourth scientific forum of Agriculture and Biology Research Division “Importance & Methods of applying to get Invention patent”. organized by agricultural and biological research division. National Research Centre Cairo Egypt, 18/2/2013.

4- 'Conservation and Sustainable use of Egyptian Medicinal Plants using Biotechnological Approaches' Organized by the Science and Technology Fund and Tanta university (May 31,2015).

5- ' Agriculture and Environment for Sustainable Development' organized by agricultural and biological research division. National Research Centre Cairo Egypt.(May 25-27,2015) .

6- "Utilization of Algae for the Production of Biodiesel and Nutraceuticals" Workshop in National Research Centre Cairo Egypt.(May 18, 2015).

7- The 12th National Conference" Role of Biochemistry and Molecular Biology in Drug Discovery and Disease Diagnosis" organized by National Committee for Biochemistry and Molecular Biology. Held on March15-17, 2015 at Guest House Ain Shams University.

8- " In recognition of attending Chemical Lab Safety and Security –Symposium " organized by agricultural and biological research division. National Research Centre Cairo Egypt, (January 28th 2015).

9- " Forum of Innovations in Agriculture" organized by agricultural and biological research division. National Research Centre Cairo Egypt,(27-28 January , )2015

10- " Conservation and Sustainable use of Egyptian Medicinal Plants using Biotechnological Approaches" Organized by the Science and Technology Fund and Tantha university (May 31, 2015).

11- "Agriculture and Environment for Sustainable Development' organized by agricultural and biological research division. National Research Centre Cairo Egypt.(May 25-27,2015) .

12- "Utilization of Algae for the Production of Biodiesel and Nutraceuticals" Workshop in National Research Centre Cairo Egypt.(May 18, 2015).

13- The 12th National Conference" Role of Biochemistry and Molecular Biology in Drug Discovery and Disease Diagnosis" organized by National Committee for Biochemistry and Molecular Biology. Held on March15-17, 2015 at Guest House Ain Shams University.

14- “In recognition of attending Chemical Lab Safety and Security –Symposium “organized by agricultural and biological research division. National Research Centre Cairo Egypt, (January 28th 2015).

**Participation in national & international research projects:**

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| **Period** | **Project title** | **Role** | **Funder** |
| 2016-2019 | Propagation of economic importance ornamental and woody plants using new applications | Member | NRC |
| 2014-2017 | Improvement of production novel small peptides and phyto-steroids from algae for nutraceuticals and functional foods | Co-PI | NRC |
| 2013-2016 | Maximization of the agricultural wastes of food industries as a source of bioactive compounds | Member | NRC |
| 2013-2016 | Biotechnology in Evaluation and Micropropagation of High Production Jojoba Clones Growing in Egypt and Genetic Description. | Member | NRC |
| 2013-2016 | Hepatorenal Syndrome: Biochemical and Nutritional Studies and Potential Benefits of Functional Foods | Member | NRC |
| 2013-2016 | Integrated management of nematode pests and pre- and post-harvest diseases of economically important crops | Member | NRC |
| 2018-2019 | Antivirus and anticancer activities of sterols from some Egyptian marine algae | PI | NRC |

# List of international publications:

1. El Baroty G.S., El Baz, F.K., Abd-Elmoein I., Abd El-Baky, H. Hanaa, Ail M.M. and **Ibrahim , E A.** (2011). Evaluation of Glycolipids of Some Egyptian Marine Algae as a Source of Bioactive Substances. Int. Res. J. Pharma., 2(3) 165-174.
2. El Baz, K. F., El Baroty, S. G,. Abd El Baky, H. H. , Abd El-Salam, I .O. **Ibrahim. E .A.** (2013). Structural characterization and biological activity of sulfolipids from selected marine algae. Grasas y Aceites, Vol 64, No 5:561-571.
3. Abd El-Baky, H.H., Hussein, M. M. and **Ibrahim, E.A**.(2013). Potential of industrial waste water use for jatropha cultivation in arid land. American Journal of Agricultural and Biological Sciences, 8(4): 350-356
4. Abd El Baky, H. H., El Baz, F. K. El Baroty, G. S., Asker M.M. S. and **Ibrahim, E. A.** (2014). Phospholipids of some marine microalgae: Identification, antivirus, anticancer and antimicrobial bioactivities. Der Pharma Chemica, 6(6):9-18.
5. Abd El Baky H.H, El-Baroty G.S, Ibrahim, E. A and El Baz F.K. (2014).Cytotoxicity, Antioxidants and Antimicrobial Activities of Lipids Extracted from Some Marine Algae. Aquaculture Research & Development, 5(7):1-5.
6. Abd El Baky, H.H., El-Baroty, G.S. and **Ibrahim E. A.** (2014). Antiproliferation and antioxidant properties of lipid extracts of the microalgae *Scenedesmus* obliquus grown under stress conditions. Der PharmaChemica,6: 24-34
7. Abd El Baky, H. H., M.M. Hussein, Gamal S. El- Baroty, **Ibrahim E. A.** and El- Faham, S. Y. (2014). Moringa Stenopetala Leaves Extract Improve Antioxidant Defense Abilities and Salt Tolerance of Wheat Plant Irrigated with Seawater. The Journal of Agriculture and Natural Resources Sciences,1(1):6-17.
8. Abd El Baky, H.H., El Baroty, G.S. and **Ibrahim, E.A.** (2015). Functional characters evaluation of biscuits sublimated with pure phycocyanin isolated from Spirulina and Spirulina biomass. Nutricion Hospitalaria,23(1): 231-241.
9. **Eman, A. I.,** Gaafar, A. A ., Salama, Z.A and El Baz. F.K. (2015). Anti-inflammatory and antioxidant activity of Solenostemma argel extract. Journal International Journal of Research in Pharmacology and Phytochemistry, 7: 635-641.
10. Hanaa H. Abd El Baky., Ahemd A. Abd EL Rahman., Enas M. Mekawi. , **Eman A. Ibrahim** and Nashwa M Shalapy. (2016). The Anti-Diabetic and Anti-Lipidemic Effects of Peganum harmala Seeds in Diabetic Rats. Der Pharmacia Lettre,8 (10): 1-10.
11. **Eman A. Ibrahim.,** Hanan F. ALy and Farouk K. El-Baz (2016). Anticoagulant and anti-inflammatory potentials of some Egyptian marine algae. International Journal of Pharma and Bio Sciences, 7(2): (B) 89 - 94
12. Rania A. Taha., Mona M. Hassan.,**Eman A. Ibrahim.,** Nesreen H. Abou Baker. And Esam A. Shaaban. (2016). Carbon Nanotubes Impact on Date Palm in Vitro Cultures. Plant Cell Tissue Organ Culture, 127 (2), 525-534.
13. Hanan F. Aly., **Eman A. Ibrahim**., Doha, H. Abo Baker., Khaled Mahmoud., Farouk K. El-Baz. (2016). Evaluation of antioxidant, anti-inflammatory, anti-Alzheimer's and anticancer activities of *Taonia atomaria*. International Journal of Pharma and Bio Sciences,7(3):421-429.
14. Gaafar, A.A., **Ibrahim, E. A.,** Asker, M. S. Moustafa, A.F. and Salama ,Z. A.(2016). Characterization of polyphenols, polysaccharides by HPLC and their antioxidant, antimicrobial and antiinflammatory activities of defatted moringa (Moringa oleifera L.) meal extract. International Journal of Pharmaceutical and Clinical Research, 8(6): 565-573
15. **Eman A. Ibrahim**., Hanan, F., A., Doha, H. Abo Baker., Khaled Mahmoud., Farouk K. El-Baz. (2016). Marine algal sterol hydrocarbon with anti-oxidative, anti-inflammatory, and anti-cancer properties International Journal of Pharma and Bio Sciences,7(3):392-398.
16. **Eman A. Ibrahim.**, Doha, H. Abo Baker, EL-BAZ, K. F. (2016). Anti-inflammatory and antioxidant activities of rhubarb roots extract. International Journal of Pharmaceutical Sciences Review and Research, 39(2):93-99..
17. Elkady, W.M., **Ibrahim, E.A.,** Gonaid, M.H. and Baz, F.K. (2017). Chemical profile and biological activity of Casimiroa edulis non-edible fruit's parts. Advanced Pharmaceutical Bulletin, 7(4): 655-660.
18. Abou-Baker, N.H., **Ibrahim, E.A** and Abd-Eladl –M.M (2017). Biozeolite for improving bean production under abiotic. Bulletin of the Transilvania University of Brasov. Forestry, Wood Industry, Agricultural Food Engineering. Series II; Brasov ,10 (2): 31-46.
19. Doha H. Abou Baker., **Eman A. Ibrahim**., Ahmed Kandeil and Farouk K. El- Baz (2017). Sterols bioactivity of Ruta graveolens L. and Murraya paniculata L. Int J Pharm Pharm Sci., 9( 2): 103-108
20. Farouk K, El-Baz., Azza A. Omran., Ahmed M.S. Hussein and **Eman A.** **Ibrahim** (2017). Improvement of Nutritional and Quality of Lasagna Supplemented with Scenedesmus obliquus. Int. J. Pharm. Sci. Rev. Res., 46(2): 28-38.
21. Abd Allah A. A., **Eman A Ibrahim.,** Ibrahim E. S., Naglaa F Mahmoud and Mostafa M.(2018).Thiocyclam-induced reproductive toxicity, oxidative stress and genomic DNA damage in testicular tissues of rats: protective effects of green tea extract. J Environ Anal Toxicol .,8(2):2-9.
22. Gaafar, A.A., Nooman, M.U., **Ibrahim, E.A.,** Ali, M.M., Al-Kashef, A.S.(2018). Prophylactic and therapeutic uses of egyptian mentha spicata L., mentha piperita l. and ocimum basilicum L. stalks as agro-industrial byproducts, Journal of Biological Sciences,18(7). 354-363
23. Lobna S. Taha., **Eman A. Ibrahim.,** Nora M. Youssef and Iman M. El-Sayed (2018). In vitro Culture Development and Secondary Metabolites of Dillenia indica Tree. American Journal of Plant Physiology, DOI: 10.3923/ajpp.2018.
24. Alkhal, M. I., Alansari,W. S., **Ibrahim, E. A.** and ELhalwagy M. E.A. (2018). Anti-oxidant, anti-inflammatory and anti-cancer activities of avocado(Persea americana) fruit and seed extract. Journal of King Saud University – Science, <https://doi.org/10.1016/j.jksus.2018.10.010>