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**Academic degree: BSc. 1998**

**MSc. 2004**

**PhD. 2019**

**Academic Rank: Ass. Lecture: 2004**

**Lecture: 2009**

**Ass. Prof.: 2013**

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**General Specialization: Biology**

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**Thanking: 50**

**Courses taught: Mycology, Embryology, Histopathology, Histology and basic histopathology**

**Conferences and seminars: 40**

<b>Publications</b>	<b>Year</b>
Ability of Cronobacter sakazakii to adhesion and invasion AMGM5 cell line	2021
Hayder A Al-mandalawii, Luma Abdulhady Zwain, Estabraq A Mahmoud, Iraqi Journal of Cancer and Medical Genetics (IJCMG) Volume 14, 1-2021, 12.	
Comparison of ABGAR Score among Gestational, Pregestational Diabetes and Normal Pregnant Women. Nahla A. Al-Bakri, Estabraq A. Mahmoud, Ban J. Qasim. AAJMS [Formerly IJMS], 3(1): 60-64.	2020

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- Histopathological alternations of placenta in pregnancy women complicated with gestational diabetes. Mahmoud Estabraq A, Qasim Ban J, Al-Bakri Nahla A. Indian Journal of Public Health Research and Development 9(10):843-849. 2018
- Histopathological changes of placenta in pregnant women complicated with pregestational diabetes. Estabraq A Mahmoud, Nahla A Al-Bakri, Ban J Qasim Journal of Pharmacy and Pharmaceutical Sciences 10(11):2952-2959. 2018
- EFFECT OF ESSENTIAL OIL EXTRACTED FROM THE YELLOW PEEL OF *CITRUS AURANTIUM* ON SOME FUNGI. Hayfaa A Yousif, Estabraq A Mahmoud. International Journal of Research in Science and Technology, (IJRST), 5(3). 2015
- Effect of Essential Oil Extracted from the Peels of Two Species of Citrus on Some Fungi. Estabraq A. Mahmoud. JURNAL OF MADENAT ALELEM COLLEGE. 5(1): 56-65. 2013
- Effect of mycorrhiza *Glumus mosseae* and bacteria *Bacillus polymyxa* in some of physiological characteristics in *Hordeum vulgare*. E. A. Mahmoud, Wafik A. Al-Kaisi, Thamer A.A. Muhsen. Tikrit Journal of Pure Science, special issue, Conference in University of Tikrit. 2012
- Effect of some petroleum ether extracts of *Rosmarinus officinalis* and *Glycerrhiza glabra* plants on the growth of some pathogenic fungi.). Estabraq A Mahmoud, Atyaf S. Hamid and Thamer A.A. Muhsen. Al-Mustansiriyah Journal of Science, 23(4): 1-12. 2012
- Effect of Extracts from *Zygophyllum fabago* on Growth of Some Bacteria. E. A. Mahmoud, IS Banno. Ibn Al-Haitham Journal For Pure And Applied Science, 23(2): 26-40. 2010
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- Effect of ethanolic extract from peel and pulp of local green apple *Pyrus malus* L.pro parte fruits on growth of some pathogenic bacteria. Sundus A-M AL-Hadaria, Estabraq A. Mahmoud, Anaam A. Hasan. Journal of the college of basic education, 15(3): 509-520. 2010
- Effect of volatile oil extracted from *Citrus grandis* yellow peel on growth of some food borne microorganisms. B. Z. Ali, E.A. Mahmoud, E. H. Mohammed. Ibn Al-Haitham Journal for Pure and Applied Science, 22(3): 1-7. 2009
- Antimicrobial activity of petroleum ether extracts from leaves, seeds and roots of *Zygophyllum fabago* L. towards some microorganisms. E.A. Mahmoud. Ibn Al-Haitham Journal for Pure and Applied Science, 21(2): 1-14. 2008
- Effect of Extracts from *Zygophyllum Fabago* on Growth and Activity of *Candida* 2006

*Albicans* and *Aspergillus Flavus*. BZ Ali and E.A. Mahmoud. Ibn AL-Haitham  
Journal For Pure and Applied Science, 19(3): 14-30