

- Name: Asal Aziz Tawfeeq
- Date of birth: 1977-Kirkuk- Iraq
- Nationality: Iraqi
- Degree: Ph.D. in Biotechnology
- Scientific Title: Professor
- Qualifications: B.Sc., M.Sc., PhD. In Biotechnology
(All of the studying Degrees were in English)



B.Sc. in Biotechnology in 1998/ Saddam University/ Bagdad / Iraq

B.Sc. project Title ((Molecular detection of Urinary Tract Infections in Hospitalized children by Random PCR))

M.Sc. in Biotechnology in 2000/ Saddam University/ Bagdad / Iraq

Thesis Title ((Isolation and Identification of Cellulolytic Streptomyces from the local soil))

Ph.D. in Medical Biotechnology in 2005/ Al-Nahrain University/ Bagdad / Iraq

Thesis Title ((Developmental Effects of 5-azacytidin and Folic acid in mice))

- Past position: Head of Therapeutic Nutrition Techniques Department
- Qualification: Permanent Lecturer of “Molecular biology and Human Genetics” at the Medical Laboratory Techniques Department since (2006 till now)

Some of the Last Publications:

- Hussein SS, Tawfeeq AA. Biofilm forming intestinal E. coli as a risk factor for increasing BMI in type 2 diabetic patients. Med J Babylon 2024;21:S211-6.
- Hussein SS, Tawfeeq, AA. Isolation and identification of individual intestinal bacteria associated with waist circumference increase. Med J Babylon 2024;21:S217-23.
- Mohammed SA, Tawfeeq AA, Noraldin MY. Role of glutathione reduction in causation severe complications of coronavirus disease-2019. Med J Babylon 2023;20:S149-53.

- Yassin MM, Ali AA, Tawfeeq AA. Molecular detection of Entamoeba gingivalis among periodontitis and gingivitis patients by singleplex polymerase chain reaction. Med J Babylon 2023;20:S110-4.
 - Thaker HM, Tawfeeq AA, Ali AA. Docking of vaginal Lactobacillus isolates as a potential bactericidal agent in Kirkuk 2022. Med J Babylon 2023;20:S136-40.
- Fahem, W.D., Alabden, S.S.Z. and **Tawfeeq, A.A.**, 2021. Molecular Investigation of Lactobacillus plantarum isolated from Raw cow milk in Kirkuk/Iraq. *NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal/ NVEO*, pp.9162-9172.
- **Asal A. Tawfeeq**, Ulkir A. Abbas., ((Alteration of microbial exposure in vitro might aid in child's relief: docking of isolated oral lactobacillus fermentum with mouthwash as a potential probiotic for children oral health)). In *EurAsian Journal of BioSciences (Eurasia J Biosci)* 14,3035-3044, 2020.
- **Asal A. Tawfeeq**, Sami Ridha Aslan, Saif A. Moneeb., ((Molecular Investigation of an unusual bacteria causing severe UTI among Public Water Closet users: Mechanisms of characterization and Engineering solutions)). In *EurAsian Journal of BioSciences (Eurasia J Biosci)* 14,4429-4434, 2020.
- Asal A. Tawfeeq** & Sundus M. Taifoor., ((Some Histogenetic aspects of Methotrexate associated with Juvenile Idiopathic Arthritis (JIA) Treatment Doses)). In *Indian Journal of Forensic Medicine & Toxicology* 14,4: 2020.
- Asal A. Tawfeeq.**, ((Effect of azacytidine administration with/without folic acid on the histology and genomic DNA methylation of mice liver)). In *GSC Biological and Pharmaceutical Sciences*, 2020, 11(02), 196–203.
Article DOI: <https://doi.org/10.30574/gscbps.2020.11.2.0132>
- Asal A. Tawfeeq.**, ((RT-PCR diagnosis of invasive *Candida albicans* strain predominant among a private school in Kirkuk City)). In *GSC Biological and Pharmaceutical Sciences*, 2020, 11(02), 124–129.
Article DOI: <https://doi.org/10.30574/gscbps.2020.11.2.0121>
- Asal A. Tawfeeq.**, ((Potential Health Benefits of Iraqi Chamomile Flower Water Extract on Serum Bactericidal Ability of Children with Strep Throat)). In *IJCRT*, 2020,8(04), 1575-1580.
- Asal A. Tawfeeq.**, ((Prospective Cohort Study Defining *Candida albicans* Infections in Some Primary Schools in South of Kirkuk/Iraq 2019)). In *The Proceedings of The 6th International Scientific Conference of Genetic and Environment Baghdad, Iraq*, December 18-19, 2020, 52-61.

- Asal A. Tawfeeq** and Saif Al-Deen M. Taher., ((Epidemiological study evaluating the impact of front door duct slot of a combined domestic sewer-rainwater drainage system on children health in Kirkuk, 2017)). In *Kijoms*, 4(2018)369-376.
<https://doi.org/10.1016/j.kijoms.2018.09.003>.
- Asal A. Tawfeeq.**, ((Sustainable UHT-Milk consumption and its effect on school children health, 2018)). In *The Proceedings of The 5th International Scientific Conference of Genetic and Environment Baghdad, Iraq*, 2(5)11-23.
- Asal A. Tawfeeq.**, ((German Chamomile *Matricaria chamomilla* Tea impact on some blood parameters of human serum and pathogenic bacteria in Kirkuk, 2018)). In *The Proceeding of The 5th International Scientific Conference of Genetic and Environment Baghdad, Iraq*, 2(5)150-158.
- Asal A. Tawfeeq**, Sameera S. Saadon & Hadeel A. Hasan., ((Study the Relationship Between Estrogen Hormone and Calcium in Normal Females Before and After Menopause in Baghdad / Iraq, 2018)). In *Al-Kitab Journal for Pure Science*, 1(2). DOI: [10.32441/kjps.v2i1.152](https://doi.org/10.32441/kjps.v2i1.152), ISSN: (2617-1260).
- Asal A. Tawfeeq** and Mohammad Aljaradin., ((Recycling Paper Waste for Sustainable Sugar Production/Kirkuk-Iraq)). In *Sustainable Resources Management Journal* 2017, 2 (8) 01-12. [http://doi.org/10.5281/zenodo.000000](https://doi.org/10.5281/zenodo.000000).
- Asal A. Tawfeeq.**, ((A Prospective Study for the Outcomes of Thalassemia in Kirkuk 2016)). In *Kirkuk University Journal- Scientific studies*, 2017, 12(3). ISSN: 19920849.
- Asal A. Tawfeeq.**, ((Histological Effect of *Anastatica hierochuntica* Aqueous Extract in Female Mice Livers)). In *The pharmaceutical and Chemical Journal*, 2016, 3(3). ISSN:2349-7092 CODEN (USA): PCJHBA
- Asal A. Tawfeeq.**, ((*Agaricus bisporous* effect on Sugar, Cholesterol, and the Bactericidal power of human serum)). In *Diyala Journal for pure science*, 2015, 11(1). ISSN:2222-8373.
- Khalida M. Ameen and **Asal Aziz Tawfeeq**, ((Occupational, Environmental and lifestyle factors associated with spontaneous miscarriage in Kirkuk city)). In *Tikrit Medical journal*, 2015, 20(10). ISSN:1813-1638.
- Asal A. Tawfeeq**, ((Effect of Kaff Maryam aqueous extract in mice Kidneys)). In *Karbala Journal of Pharmaceutical Science*, 2014, 7. ISSN:7207-2221.
- Asal A. Tawfeeq** and Sundus M. Taifoor, ((Histopathological effects of Methotrexate in mice livers)). In *Kirkuk University Journal- Scientific studies*, 2014, 9(1). ISSN:19920849.
- Asal A. Tawfeeq**, ((Prevalence and antimicrobial sensitivities of uropathogenic bacteria in a group of patients in Kirkuk city)). In *AL-Taqani*, 2014, 27(2). ISSN:1818-653X.

-**Asal A. Tawfeeq** & Sundus M. Taifoor. Prevalence of Eczema in the children of Kirkuk city. In *The Second Scientific Conference- science College-Tikrit University*, 2012.ISSN:1813-1662.

- **Authored Books:**

Asal Aziz Tawfeeq, Principles in Human Genetics/ 2017/ Society for the Conservation of Genetic Resources and the Environment of Iraq/ Iraq.

Asal Aziz Tawfeeq, Student's Guide in Writing graduation project/ 2017/ Society for the Conservation of Genetic Resources and the Environment of Iraq/ Iraq. Iraqi National Library and Archives No. 4366

Asal Aziz Tawfeeq, A short course in Human Genetics /2018/Foundation of Technical Education, Ministry of Higher Education/ Iraq. Ibn Al-Atheer Press / Mosul University/ Mosul /Iraq.

Asal Aziz Tawfeeq, Molecular Biology Basics/ 2019/ Society for the Conservation of Genetic Resources and the Environment of Iraq/ Iraq. Iraqi National Library and Archives No. 591.

- **Experimental Fieldwork:**

Molecular Biology, PCR, Microbiology, Tissue culture, Biotechnological solution of Environmental pollution and waste materials.

- **Supervision:** 1 PhD student and 18 master students

- **Membership:**

- Member in the Editorial Board of the NTU Journal for Pure Sciences (NTU-JPS)
- Member in the Editorial Board of the Sustainable Resources Management Journal (SRM) / Lund / Sweden
- Certificated Reviewer for the Journal of Science of the total Environment/ Elsevier
- Certificated Reviewer for the Medical Journal of Babylon

- **Awards:**

- Best research in Biotechnology in / The 5th International Scientific Conference of Genetic and Environment Baghdad, Iraq, 2018
- Best research in Environment and sustainability in / ISESCO / Morocco, 2019

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