# Curriculum Vitae

**Personal information**:


**Name:** **Naeima Mohamed Hammam Yousef**
**Date of Birth:** **July 10th, 1968**
**Place of Birth:** **Assiut, Egypt**
**Nationality:** **Egyptian**
**Job:** **Professor of Bacteriology, Botany & Microbiology Department, Faculty of Science, Assiut University, Egypt.**
**E-Mail:** **naeima_yousef@yahoo.com or Naeima@aun.edu.eg**
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**Academic Qualifications**:

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|---|---|
| 1983 - 1986 | High School in El-Badari, Assiut, Egypt |
| 1986 - 1990 | Study of Botany (major field) and Chemistry (minor field) |
| 1990 | Bachelor of Science in Botany, Faculty of Science, Assiut University, Assiut, Egypt. **Grade: Excellent with honor degree.** |
| 2004 | Ph. D. degree in Molecular cell physiology from Faculty of Biology, University of Bielefeld, Germany. **Grade: Very good degree.** |
| 2015 | Associate professor of microbiology, Botany & Microbiology Department, Faculty of Science, Assiut University, Egypt. |
| 2020 | Professor of Bacteriology, Botany & Microbiology Department, Faculty of Science, Assiut University, Egypt. |

**Academic Positions** or **Employment History :**

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| 1990 | Permanent position as Demonstrator in the Botany Department, Faculty of Science, Assiut University, Assiut, Egypt. |
| 1990 - 1998 | During this time I improved my knowledge in taking classes in the field of microbiology, physiology, biochemistry, virology and biostatics (classes in the Master degree program) In addition I was obliged for every semester to teach laboratory courses to students in the field of general Botany, bacteriology, physiology, plant anatomy, plant taxonomy and ecology |
| 1998 - 1999 | German language course at the Goethe-institute in Göttingen, Germany |

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| | (October 1998 – January 1999) |
| 1999 - 2004 | Graduate student in the Faculty of Biology at the University of Bielefeld as a Ph.D. student |
| 2004 | Ph. D. degree in Molecular cell physiology from Faculty of Biology, University of Bielefeld, Germany.<br>Permanent position as Lecturer in the Botany Department, Faculty of Science, Assiut University, Assiut, Egypt. |
| 2007 | Post doctor in Botany institute, Christian-Albrecht University, Kiel, Germany. |
| 2008-2011 | Assistant professor in Biotechnology Department, Faculty of Science, Taif University, Saudi Arabia |
| 2015 | Permanent position as Associate Professor Microbiology, Botany &Microbiology Department, Faculty of Science, Assiut University, Egypt |
| 2016 | Head of Botany Department-New Valley branch- Faculty of Science, Assiut University (March 2016 – September 2016). |
| 2020 | Permanent position as Professor of Bacteriology, Botany and Microbiology Department, Faculty of Science, Assiut University, Egypt. |

**Ph.D. title is:**

**Comparative analysis of iron-responsive genes under iron starvation and oxidative stress in the cyanobacterium *Synechococcus elongatus* PCC 7942 wild type and selected mutants (Biochemical and genetic studies)**

**Supervisions and Reviewing**

1- **Asmaa M. M. Mawad Ph.D. Biotechnological and molecular studies on microbial remediation of anthraquinone and azodyes. December 2016.** Assiut University

2- **Dalia Raway Ibrahim Ph.D. Isolation and characterization of bacteriophages – infecting some pathogenic bacteria. 5 November 2020.** Assiut University

3- **Zeinab Hussein Ali Hussein**. Master degree.M. Sc. **Calcium and Magnesium Nanoparticles as Antibacterial Agents against Clinical Pathogenic Bacterial Isolates from Tonsils**. October 2020 South valley University.

4- **Marwa Ali Mohamed Hasanein** Master degree. **Studies on sulfur oxidizing bacteria isolated from polluted water and their biotechnological applications**. 26 November 2020. Assiut University.

5- **Eman Issa Ali** Master degree. **Isolation and characterization of cellulolytic halophilic bacteria with special reference to some applications**. 2021 Assiut University.

**List of Publications**

1- **Michel, K.-P., Naeima M. H. Yousef & Pistorius, E.K**. (2003) Modification of photosystem II by IdiA and photosystem I by IsiA in *Synechococcus elongatus* PCC 7942 under iron limitation and regulation of these modifications. In: the Second German/Japanese Binational Symposium: Functional Genomics in Cyanobacteria Beyond Genome Sequences. Organised by Hagemann, M., Herrman, R. G., Omata, O. & Tabata, S. Benediktbeuren, Bavaria, Germany, P 56-57 (extracted from Ph.D. thesis).

**2-** **Naeima M. H. Yousef, Pistorius, E.K. & Michel, K.-P.** (2003) Comparative analysis of idiA and isiA transcription under iron starvation and oxidative stress in *Synechococcus elongatus* PCC 7942 wild-type and selected mutants. Arch. Microbiol. 180: 471-483 (extracted from Ph.D. thesis).

3- **Soumia M. I. Darwish, Naeima M. H. Yousef and Mady A. Ismail** (2008) Microbiological quality and elemental analysis of some ready to eat meat products J. Agric.Sc. Mansoura Uni. 33(8): P. 5601-5613.

4- **Nemmat A. Hussein & Naeima M. H. Yousef** (2011) Microbial population of soil contamination with petroleum derivatives and molecular identification of *Aspergillus niger*. Egypt J. Exp. Biol. (Bot.), 7:P.1-7.

5- **Eman A. H. Mohamed, Naeima M. H. Yousef, Azza G. Farag** (2012) Isolation and molecular identification of polyaromatic hydrocarbons – utilizing bacteria from crude petroleum oil samples. African J. of microbiol. Research, 6 (49) 7479-7484.

6- **Yahya Ali & Naeima M. H. Yousef** (2014) Detection and characterization of bacteriophages attacking dairy *Streptococcus thermophilus* starter cultures. African J. of microbiol. Research, 7 (27): 2598-2603.

7- **Naeima M. H. Yousef and Nivien A. Nafady** (2014). Combining of biological silver nanoparticles with antiseptic agent and their antimicrobial activity. International Journal of pure and applied bioscience, 2 (2) 39-47.

**8-** **Naeima M. H. Yousef** (2014). Characterization and antimicrobial activity of silver nanoparticles synthesized by rice straw- utilizing bacterium (*Lysinibacillus fusiformis*). International Journal of Development Research, 4 (9): 1875-1879.

9- **Naeima M.H. Yousef** (2015). Evaluation of the antibacterial potential of selected medicinal plant extracts against some bacterial strains. Assiut University Journal of Botany.

10- **Safa M. Ali, Naeima M. H. Yousef, Nivien A. Nafady** (2015). Application of biosynthesized silver nanoparticles for the control of land snail *Eobania vermiculata* and some plant pathogenic fungi. Journal of Nanomaterials.

11- **Asmaa M.M. Mawad, Naeima M.H. Yousef and Ahmed A. Shoreit** (2015). Bioremediation of acid blue 25 dye by anthracene degrading *Pseudomonas pseudoalcaligenes* ASU-016. Catarina Journal, 10 (1): 53-60.

12- **Asmaa M.M., Mawad, Naeima M.H. Yousef and Ahmed A. Shoreit** (2015). Application of Fungal Biofilm Supported on Activated Carbon for Adsorption of Two Azodyes: Adsorption Kinetics and Isotherms. *Advances in Bioscience and Bioengineering*. 3 (2) 11-19.

13- **Naeima M. H. Yousef** (2015). Overexpression of recombinant membrane associated protein (MapA) of *Synechococcus elongatus* PCC 7942 in *Escherichia coli.* Egypt. J. Exp. Biol. (Bot.), 11(1): 50 –57.

14- **Naeima M. H. Yousef** (2015). Molecular cloning and characterization of the bidirectional hydrogenase hox genes cluster from the cyanobacterium *Synechococcus nidulans.* The First International Conference on Multidisciplinary, 28-31 October, 2015 Porto Sokhna, AinSokhna, Egypt.

15- **Nivien A. Nafady and Naeima M. H. Yousef (**2015). Rapid intra/extracellular biosynthesis of silver nanoparticles by *Klebsiella oxytoca*: characterization and antifungal activity. The second international coference on new horizons in basic and applied science (In session: Advanced Research in plant and microbial biotechnology) 4-6 August 2015 Hurghada, Al-Azhar University- Assiut. Egypt

16- **Asmaa M.M., Mawad, Naeima M.H. Yousef and Ahmed A. Shoreit** (2016). Robust *Aspergillus terreus* biofilm supported on graphene oxide/hematite-nanocomposites for adsorption of anthraquinone dye. J. Desalination and water treatment· Impact Factor: 1.234 · DOI: 10.1080/19443994.2016.1138885.

17- **Yousef, Naeima M.H. and Aldaby, Eman S.E. (**2016). Biochemical characterization of the hydrogen photoevolution in cyanobacterium *Oscillatoria chalybea.* Int. J. Hydrogen energy. 48:22831-22836. Impact Factor: 4.0

18- **Ahmed M. El-Adly and Naeima M H Yousef (2016).** Distribution of Hepatitis E Virus Genotypes from human and animals reservoir. The International Conference of Egyption Sociaty of Virology, 28-31 November, 2016 , Egypt.

19- **Yousef, Naeima M.H.** and **Hussein, Nemmat A.** (2017). Impacts of inoculation with Rhizobium leguminosarum and arbuscular mycorhizae fungi and phosphate on faba bean (*Vicia faba* L.) grown in soil under salt stress condition. BJB 46(2) 599-605. Impact Factor: 0.23

20- **Abd El-Aziz, Doaa M and Yousef, Naeima M H (2018).** Enhancement of antimicrobial effect of some spices extract by using biosynthesized silver nanoparticles. J. Food Science, Int. Food Research Journal, 25 (2); 589-596. Impact Factor: 0.77

21- **El Farash A., Asmaa M.M., Mawad, Naeima M.H. Yousef and Ahmed A. Shoreit (2017).** Azoreductase kinetics and gene expression in the synthetic dyes-degrading Pseudomonas. Egyption J. Applied Science,

22- **Mekkawy AI, El-Moktar MA, Nafady NA, Yousef N, Hamad MA, El-shanawany SM, Ibrahim EH, Elsabahy M.** 2017. In vitro and in vivo evaluation of biologically synthesized silver nanoparticles for topical applications: effect of surface coating and loading into hydrogels. Int. J. Nanomedicine;12; 159-777. Impact Factor: 5.0

**23-** **Naeima M H Yousef and Hanan A Temerk (2017).** Enhancement of the Antibacterial Potential of Biosynthesized silver Nanoparticles Using Hydrophilic Polymers. BMRJ. 19 (3) 1-9.

24- **Doaa M. Abd El-Aziz and Naeima M. H. Yousef (2017).** Antimicrobial Effects of Calcium Oxide Nanoparticles and Some Spices in Minced Meat. ARC Journal of Animal and Veterinary Sciences Volume 3, Issue 2, 2017, PP 38-45.

25- **Naeima M H Yousef 2018.** Capability of Plant Growth-Promoting Rhizobacteria for Producing Indole Acetic Acid under Extreme Conditions. EJBR 8 (4) 174-182.

26- **Naeima M H Yousef 2018.** Antimicrobial agents produced by *Streptomyces*. Formatex Research center, Spain. Understanding microbial pathogens: current knowledge and educational ideas on antimicrobial research. (Enrique Torres-Hergueta and A. Méndez-Vilas, Eds.)

**Naeima M H Yousef Asmaa M Mawad and Amany H Abeed 2019.** Enhancement the Cellulase Activity Induced by Endophytic BacteriaUsing Calcium Nanoparticles. Current Microbiology. https://doi.org/10.1007/s00284-018-1614-. Impact Factor: 1.59

27- **Naeima M H Yousef, Eman AlDaby, Asmaa M Mawad and Marwa Hasanein. 2018.** Isolation of Sulfur Oxidizing Bacteria from Polluted Water and Screening for Their Efficiency of Sulfide Oxidase Production. Global NEST Journal. Impact Factor: 0.7

28- **Naeima M H Yousef** and Nemmat A Hussein 201٩. Antimicrobial activity of mycosynthesized titanium oxide nanoparticles against some pathogenic bacteria and multidrug resistant Candida species. The third international conference on Basic and Applied science, 10 March, Assiut university, Egypt.

29- Ahmad Hamdy, Ahmad Abo Markeb, **Naeima M H Yousef**, Nagwa Abo El-Maali, 2019. Optimization of the bioelectricity generation of microbial feul cells from agricultural wastes using response surface methodology. The 6th international conference for young researchers for basic and applied science (ICYS-BAS19). 27-30th March 2019, Faculty of Science, Assiut University.

30- **Naeima M. H. Yousef**, Hannan Temark, Zienab Heussien ,Khaled Ebnawaled (2019) Multidrug Resistant Bacteria Associated with Children Chronic Tonsillitis at Qena University Hospital. Secend international conference of pure and applied science 20-22 Oct. 2019 Egypt.

31- **Naeima M. H. Yousef** , Khaled Ebnawaled, Hannan Temark, Zienab Heussien (2019). Magnesium Oxide nanoparticles as antibiofilm agent against Multidrug Resistant Bacteria causing Tonsillitis. 9th international conference of Plant science and Microbial biotechnology (ICPMB) 6-7 Nov. 2019 Sohag, Egypt.

*32-* Mohamed Gomma and **Naeima M. H. Yousef,** (2020) Optimization of production and intrinsic viscosity of an exopolysaccharide from a high yielding *Virgibacillus salarius* BM02: Study of its potential antioxidant, emulsifying properties and application in the mixotrophic cultivation of *Spirulina platensis*. Int. J. Biological Macromolecules.

34-Nemmat A Hussein and **Naeima M H Yousef** 2020. Synergistic effect of mycosynthesized titanium oxide and silver nanoparticles in combination with tioconazole against some pathogenic microorganisms. J. Basic and Applied Mycology (Egypt), 11: 1-20

**35-** Asmaa M Mawad, Hesham A, **Naeima M H Yousef ,** Ahmed A. Shoreit, Nicholas Gathergood and Vigai K. Gupta.2020**.** The role of bacterial-fungal consortium for enhancement in the degradation of industrial dyes. Current Genomics 21, 283-294.

**36-** **Naeima M H Yousef** , Eman S. E. Aldabi and Eman Essa (2020). Optimization of the cellulase enzyme production by halophilic bacterium *Brevibacterium halotolerans* isolated from Wadi El Natron, Egypt. Assiut University Journal of Botany & Microbiology.

**37-** **Naeima M H Yousef**, Doaa Abdel Aziz, Martina Mansour. Isolation and molecular characterization of foodborne pathogenic bacteria from fermented meat products. Assiut University Journal of Botany & Microbiology.

**38-** **Mawad A. M. M., M., Hassanein, M., Aldaby, E. S., & Yousef, N**.(2020). Desulfurization Kinetics of Thiophenic Compound by Sulfur Oxidizing *Klebsiella oxytoca* SOB-1. *Journal of Applied Microbiology*. https://doi.org/10.1111/jam.14829

**39-** Dalia Kamal Rawy, Sameeh Kamal Hemida, Ahmed Askora, Mohamed Ahmed El-Mokhtar, **Naiema Yousef** 2020 Biological characterization of two bacteriophages infecting *Klebsiella pneumoniae*. J. Multidiscip. Sci. 2020, 2(1),1-10.

**40-** ZeinabHeussien **Naeima M. H. Yousef**, Hannan Temark, Khaled Ebnawaled (2020) Isolation, identification and antibiogram study of pathogenic bacteria mediated Children Chronic Tonsillitis at Qena University Hospital, Egypt. **SVU-IJMS, 4(2):1-8**

**41-** Dalia Kamal Rawy, Mohamed Ahmed El-Mokhtar, Sameeh Kamal Hemida, Ahmed Askora, **Naiema Yousef** 2020. Isolation, characterization and identification of *Klebsiella oxytoca* from Assiut University Hospital and sewage water in Assiut Governarate, Egypt. Assiut University Journal of Botany & Microbiology.

**42-** **Naeima M H Yousef**, Eman S. E. Aldabi and Eman Essa. 2021**. Optimization of the cellulaseenzyme production of *Brevibacterium halotolerans* isolated from Wadi El-Natron, Egypt.** Assiut University Journal of Botany & Microbiology.

**43-** **Naeima M H Yousef**, Doaa Abdel Aziz, Martina Mansour. 2021. Molecular characterization of foodborne pathogenic bacteria isolated from fermented meat products. Multidisplinary Journal.

44- **Naeima M H Yousef** & Asmaa M. Mawad. 2023. Characterization of thermo| halo stable cellulase produced from halophilic *Vigibacillus salarius* BM-02 using pretreated biomass. Journal of Microbiology and Biotechnology.

45- **Naeima M H Yousef** and Amal W**.** Danial**.** Stimulatory impact of calcium chloride and calcium nanoparticles on biohydrogen production of *Bacillus marisflavi* utilizing wheat bran. submitted

Naeima M. H. Yousef

January 2023