

Botany and Microbiology Department

Faculty of Science

Benha university,

Egypt

E-mail: sabah.alsayed@fsc.bu.edu.eg



Sabah Abo Elmaaty Ahmad Alsayed BSc, MSc, PhD

Personal Information:

Date of birth: 16/4/1972

Marital status: Married

Address: Meet Asem, Benha - Qaleobya -Egypt

Work Address: Botany and Microbiology Department-Faculty of Science. Benha University, Benha - Qaleobya –Egypt. Postal Code 13518

Mob. +2 / 01204598345, 01003580449

E-mail: sabah.alsayed@fsc.bu.edu.eg

microbiology1972@hotmail.com

Education:

Qualification	University	Specialization	Year
Bachelor	Benha University	Botany	1994
Master	Benha University	Botany	2001
Ph.D	Benha University	Microbiology (Virology)	2006

Present and Previous Positions:

- Demonstrator at Botany and Microbiology Department, Faculty of Science, Benha University, Benha, Egypt, 1994-2004.
- Assistant Lecturer at Botany and Microbiology Department, Faculty of Science, Benha University, Benha, Egypt, 2002-2005.
- Lecturer at Botany and Microbiology Department, Faculty of Science, Benha University, Benha, Egypt, 2006-2017.
- Associate professor at Botany and Microbiology Department, Faculty of Science, Benha University, Benha, Egypt, 2018- up to now.

Experience: Teaching Botany and microbiology Courses 30 years (1994- 2024).

Practical experiences and applications:

* Microbiology

* Virology

* Tissue culture

- * Bacteria isolation
- * Antimicrobial Activity
- * Microbial Natural Products
- *Microbial Nanotechnology

Research administration:

- plant and soil science. - Reviewer of International Journal of
- Reviewer of Benha Journal of Applied Sciences (BJAS)
- Reviewer of Journal of Basic and Environmental Sciences.

Committee Membership:

- Member in the Egyptian journal of Botany (Cairo University).
- Member in the Egyptian association of virology.
- Member in the Egyptian association of phycology.
- Member in the Egyptian association of Microbiology.
- Member in the Egyptian syndicate of scientific profession.

Scientific sites

Site	Link
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57194942864
Google Scholar	https://scholar.google.com/eg/citations?hl=ar&user=kiU68S0AAAAJ&view_op=list_works&sortby=pubdate
Research Gate	https://www.researchgate.net/profile/Sabah-Abo-Elmaaty
Benha University	https://bu.edu.eg/staff/sabahalsayed7
Orcid	https://orcid.org/0000-0003-3509-6762

Google Scholar:

https://scholar.google.com/eg/citations?hl=ar&user=kiU68S0AAAAJ&view_op=list_works&sortby=pubdate

Citation indices

Citations 352
 h-index 8
 i10-index 6

Research gate:

<https://www.researchgate.net/profile/Sabah-Abo-Elmaaty>

Citation indices

Citations 163
 h-index 7
 RI score 196.7

Awards:

Award for excellence in scientific research from Benha University for the academic years 2022, 2023, 2024 in International Publishing.

Participation in conferences and workshops:

- The 2nd Scientific Conference Applied Science and Sustainable Development. September 27-28,2020. Faculty of Science, Benha University, Egypt. As a reviewer
- The 3rd Scientific Conference Applied Science and the climatic changes challenges. September 8-9, 2022. Faculty of Science, Benha University, Egypt. As a reviewer
- The 4th Scientific Conference Applied Sciences for future challenges and Sustainable Development. December 21-22,2025. Faculty of Science, Benha University, Egypt. As a reviewer
- The 3th Symposium of Biomedical Science Luxor (5-6 February, 2022).
- The Fifth International Conference of Medical Analysis, Toxins and IVF (11 February, 2022)
- The 8th International Conference of the Egyptian society for environmental sciences (ESES), Scientific Research and Sustainable Development” 24th February,2024, Ismailia , Egypt.
- Attending a symposium on moringa: the tree of the food future in Egypt and the world at the National Research Center (2022/8/10)
- Attending a symposium on: Multivariant statistics for basic sciences at the National Research Center (27/7/ 2022)
- Attending a symposium on: Recent trends in membrane & nano-technology at the National Research Center (2022/8/22)
- Attending a symposium on: Impacts of climate change on the agriculture sector: Soil health and fertility at the National Research Center (18/9/2022)
- Attending a symposium on: The Indian-Swedish Symposium of recent trends in membranes & nano-technology at the National Research Center (22 August, 2022).
- Attending a symposium on: Recent advances in RO membranes spiral wound modules for water desalination at the National Research Center (21/9/2022)
- Attending the training program entitled “Maximizing the Benefit of Medicinal and Aromatic Plants” during the period (22:25/5/2022) at the Desert Research Center.
- Attending a workshop to train on how to use the e-learning platform, upload files, and use learning tools to create electronic courses, Faculty of Science, Benha University.
- Attending a workshop to educate laboratory students registered for master’s and doctoral degrees to avoid laboratory hazards (12/14/2021), Botany and Microbiology Department.
- Attend a seminar on how to choose the right journal to submit your manuscript (10-16/9/2020) online.
- Attending a workshop on how to use electronic tests on the e-learning platform (10/11/2021) via the Internet.
- Attending a workshop on the Thinky platform (9/9/2024) at the Faculty of Science, Benha University.

Community participation:

- Delivering a symposium on the danger of pollutants as an initiative by Bedaya with an awareness-raising convoy in the village of Kafr Al-Arba’in (9/22/2024).

List of Publications (52 international and local papers)

1. Hamed M. El-Shora, **Sabah A. Abo El-Maaty**, Gharieb S. El-Sayyad, Widad M. Al-Bishri, Ahmed I. El-Batal and Mervat G. Hassan. Immobilization of purified pectinase from *Aspergillus nidulans* on chitosan and alginate beads for biotechnological applications. *Microbial Cell Factories*. <https://doi.org/10.1186/s12934-024-02603-x>
2. Mervat G. Hassan, Waleed A. Elmezain, Dina M. Baraka, **Sabah A. AboElmaaty**, Ahmed Elhassanein, Riyadh MohammedIbrahim and Ahmed A. Hamed. Anti-Cancer and Anti-Oxidant Bioactive Metabolites from *Aspergillus fumigatus* WA7S6 Isolated from Marine Sources: In Vitro and In Silico Studies. *Microorganisms* (2024), 12, 127. <https://doi.org/10.3390/microorganisms12010127>.
3. Rewan Abdelaziz, Marwa I. Abdel-Hamid, Nahed El-Wafaei, Mohamed F. Ghaly, Ahmed Askora, Gamal EL Didamony, **Sabah A. AboElmaaty**, Tamer A. Ismail, Doaa Ibrahim and Samar A. Eissa. Phage-Resistant *Streptomyces abietis* and its Telomycin Bioactive Metabolite as a Possible Alternative to Antibiotics. *Microbial Pathogenesis*. Vol. 194, September 2024, P.:106822. <https://doi.org/10.1016/j.micpath.2024.106822>
4. Hager Abd ElRahman; Mohamed A. Nasr-Eldin; **Sabah A. Abo-Elmaaty**; Mohamed A. Abdelwahed; Mahmoud ElHefnawi; Asmaa M. ElFiky and Elham R.S. Soliman. Partial Genome Detection, Characterization of TYLCV (MZ546492) Infecting Tomato Plants and siRNA Sequences Detection for Alternative Control Strategy. *Egyptian Journal of Botany* (2024), 64(1) 211-223 <http://ejbo.journals.ekb.eg/>
5. Walid Said, Abeer Ahmed Khattab , Saadia Aly Hamed , **Sabah Alsayed Abo El-Maaty** and Hany Khalil. Identification of Bioactive and Anticancer Properites of *Bidens pilosa* in-vitro Evidence. *Asian Pacific Journal of Cancer Prevention (APJCP)* (2024), 25(10) 3551-3558. <http://dx.doi.org/10.31557/APJCP.2024.25.10.3551>.
6. Samuel N. Wesa; Mervat G. Hassan; **Sabah A. AboElmaaty**; Mohamed E. Elawady and Ahmed A Hamed. Secondary metabolites from marine fungi as anticandidia. *Benha Journal of Applied Sciences (BJAS)* Vol. (9) Issue (3) (2024), (139-142) print: ISSN 2356–9751 online: ISSN 2356–976x
7. Hussein A. Abdel Fade; Mervat G. Hassan; **Sabah A. Abo El-Maaty** and Dina M. Baraka. Bacterial responsibility and Antibiotic sensitivity in Urinary Tract Infection. *Benha Journal of Applied Sciences (BJAS)* Vol. (9) Issue (3) (2024), (169-173) <http://bjas.bu.edu.eg> print: ISSN 2356–9751 online: ISSN 2356–976x.
8. Mervat G. Hassan , Aya G. Atia , **Sabah A. Abo-Elmaaty** , Embaby E. M ; Detection and analysis of mycoflora associated corn and wheat flours and their toxins (2024); Vol. (9) Issue (1) (2024), (7-15) online: ISSN 2356–976x .

9. Nada E. Taha, Amr A. El-Waseif , Mervat G. Hassan, **Sabah A. Abo El-Maaty**. Biosynthesis, extraction, purification of postbiotic from probiotic isolate. Journal of Basic and Environmental Sciences (2024) ; 11(4) 539-546.<http://dx.doi.org/10.21608/jbes.2024.395555>.
10. Esraa A. Sobieh, Mervet Gameel Hassan, Mohamed Osman Abdel-Monem, **Sabah A. Abo El-Maaty** , Hamed M El-Shora. Response of Fungal L-glutaminase to some Anhydrides and Chelating Agents. Journal of Basic and Environmental Sciences (2024) ; 11(4) 307-314. <https://doi.org/10.21608/jbes.2024.390984>.
11. **Sabah A. Abo El-Maaty**, Mervat G. Hassan, Mohamed E. Elawady, Ahmed A. Hamed, Khaled H. El-harony. Effect Of Secondary Metabolites Products from Marine Streptomyces Against Bacteria Causing Otitis Media. Journal of Basic and Environmental Sciences (2024) ; 11(4) 19-40. <https://dx.doi.org/10.21608/jbes.2024.373476>
12. Nada K. Galal, Amr A. El-Waseif, Mervat G. Hassan, **Sabah A. Abo El-Maaty**. Antagonistic Activity of Probiotics against Gram Negative Bacteria. Journal of Basic and Environmental Sciences (2024) ; 11(4) 547-557. <http://dx.doi.org/10.21608/jbes.2024.395559>.
13. **Hyperlink reference not valid.**, Eman Gamal, Mahmoud Hazaa, **Sabah A. Abo El-Maaty**. Isolation, characterization, and application of lytic bacteriophages for controlling Enterobacter cloacae complex (ECC) in pasteurized milk and yogurt. (2023) Microbiologica Folia :68 .<https://doi.org/10.1007/s12223-023-01059-7> 924-911
14. **Sabah A. AboElmaaty** , Ali A. Shati , Mohammad Y. Alfaifi , Serag Eldin I. Elbehairi , Norhan S. Sheraba , Mervat G. Hassan , Mona Shaban E. M. Badawy , Ahmed Ghareeb , Ahmed A. Hamed , and Ebtsam Z. Gabr. Biofilm Inhibitory Activity of Actinomycete-Synthesized AgNPs with Low Cytotoxic Effect: Experimental and In Silico Study. Microorganisms 11(102) 1-16. <https://doi.org/10.3390/microorganisms11010102>.
15. Mervat G. Hassan, Amr A. El-Waseif, Reem H. Abd El gawad, Omnia M. Arief and **Sabah A. Abo El maaty**. Assessment of Antibacterial, Cytotoxicity and Wound Healing Influence of Copper Nanoparticles Synthesized using Probiotic Bacteria. Research Journal of Pharmacy and Technology, 16(10): October (2023). ISSN: 0974-360X (Online) 0974-3618 (Print)www.rjptonline.org
16. Walid Said, Abeer A Khattab, Saadia H Aly, Hany Khalil, **Sabah A Abo-Elmaaty**. Management of hepatocellular carcinoma development by *Trianthema portulacastrum* extract; in-vitro evidence. Benha Journal of Applied Sciences (BJAS) (2023). Vol.(7). Issue(12). pp. 133-136

17. Hussam K.M. Sahow, Samir H. Abdel Aziz, Soheir Abdel Rahman, El Dougdoug, K. A, and **Sabah A. Abo El-Maaty**. Determination of the genotype-adenovirus that causes multiple infections. Benha Journal of Applied Sciences (BJAS) print : ISSN 2356–9751. online : ISSN 2356–976x <http://bjas.bu.edu.eg> Benha Journal Of Applied Sciences (2023).
18. Mohamed G. Seadawy; Ahmed F. Gad; **Sabah A. Abo-Elmaaty** and Mervat G. Hassan. Genome sequencing of SARS-CoV-2 reveals the prevalence of variant B 1.1.7 in Egypt. Infection, Genetics and Evolution. (2022) 97,105191. www.elsevier.com/locate/meegid <https://doi.org/10.1016/j.meegid.2021.105191>
19. **Sabah A. AboElmaaty**, Ashraf A Ad El-Tawab, Mohamed K. Morsy, Hadeer A Hassan, Ebtessam Z Gabr. Studies on free and nano-encapsulated Lactobacillus casei under simulated gastrointestinal fluid and thermal conditions. Benha Veterinary Medical Journal 42 (2022) 68-72
20. Mervet Gameel Hassan; Zainab R Hassan; S S Hamim; Mohamed O. Abdel-Monem and **Sabah Abo-Elmaaty**. Antimicrobial and antibiofilm activity of Streptomyces sp. AS5 against *Klebsiella pneumonia* and *Escherichia coli*. 中华劳动卫生职业病杂志2022年13月第40卷第13期 Chin J Ind Hyg Occup Dis, (2022),33-41 ; DOI: 10.5281/zenodo.5841445
21. Amr A. El-Waseif; Ghada S. Abd El-Ghani; **Sabah A. Abo-Elmaaty** and Mervat G. Hassan. Molecular characterization of virulence genes shiga-like, Heat-labile toxins and antibiotics resistance in multidrug-resistant *Escherichia coli*. Research Journal of Pharmacy and Technology. (2022) 15(7).ISSN: 0974-360X (Online) 0974-3618 (Print) www.rjptonline.org
22. Amr A. El-Waseif, Ghada S. Abd El-Ghani, **Sabah A. Abo El maaty** and Mervat G. Hassan. Cytotoxicity and Promising Anti-Biofilm of Curcuma Silver Nanoparticles against *Candida albicans*. Articles in Press, (2022); 15(8). ISSN: 0974-360X (Online) 0974-3618 (Print) www.rjptonline.org
23. **Sabah A. AboElmaaty**, Ahmed Esmael, Soheir Abderlrahman; Ebtissam Tarek and Mervat G. Hassan. Studies on the Application of Bacteriophages and Silver Nanoparticles in The Treatment of *Pseudomonas* spp. Egyptian Academic Journal of Biological Sciences. (2022);14(1) 23-39. ISSN:2090-0872 <https://ejbsg.journals.ekb.eg/> DOI:10.21608/EAJBSG.2021.203035
24. Amr A. El-Waseif; Hind A. Eissa; **Sabah A. Abo-Elmaaty** and Mervat G. Hassan. Anti-Virulence and Cytotoxic Behavior of Copper Nanoparticles against antibiotics-

- resistant *Staphylococcus aureus*. Egyptian Journal of Chemistry. September (2022); 34, 65 (9), Page 361-367. <http://ejchem.journals.ekb.eg/> DOI: <https://dx.doi.org/10.21608/ejchem.2022.111832.5079>
25. E. G. Abd El Nasser; M. G. Hassan; **S. A. Abo-Elmaaty**; M. E. El Awady and S. S. Mohamed. Effect of Some Factors on the production of Crude Exopolysaccharides with antioxidant Activity from Marine Bacteria. Benha Journal of Applied Sciences (BJAS). (2022); 7 (4):39- 45. Print: ISSN 2356-9751 Online: ISSN 2356-976x
26. F. Hassan, M. G. Hassan, **S. A. Abo-Elmaaty**, M. E. El Awady and K. M. Elhalag. Screening of Antibacterial Activity of Different Secondary Metabolites from *Streptomyces* Against Potato Brown Rot and Soft Rot Diseases. Benha Journal of Applied Sciences (BJAS). (2022); 7 (4):163- 167. Print: ISSN 2356-9751 Online: ISSN 2356-976x
27. S.K. Mahmoud , Y.M. Ismail , **S.A. Elmaaty**, A.M. Dabour , E.Z. Gabr. Role of Indoleamine-2,3-Di oxygenase in HCV-associated chronic hepatitis and hepatocellular carcinoma. Benha Journal of Applied Sciences (BJAS) (2022) , [Volume 7, Issue 11](#), 117-121. <https://dx.doi.org/10.21608/bjas.2022.293446>
28. Ahmed Esmael; **Sabah A. Abo-Elmaaty**; Esraa M. Khafaga; Soheir Abdelrahman and Mervat G. Hassan. Efficacy of three lytic bacteriophages for eradication biofilm of multidrug-resistant *Proteus mirabilis*. Archives of virology. Dec (2021). 166(12):3311-3322. <https://doi.org/10.1007/s00705-021-05241-5>
29. Mervat G. Hassan, **S. A. Abo-Elmaaty**, S. A. Abo El-samee; M. I. Ahmed and A. E. Mohammed. Silver nanoparticles as antibacterial agent against multidrug resistant *Klbsiella pneumoniae*. Benha Journal of Applied Sciences (BJAS) (2021); 6 (5):231-235. Print: ISSN 2356-9751. ISSN 2356-976x.
30. Mohamed A. Nasr-Eldin , **Sabah A. Abo EL-Maaty** , Khaled A. EL-DougDoug, Mahmoud M. Hazaa, Asmaa H. Abdelmageed. Characterization and development of a phage cocktail for *Escherichia coli* causing gastrointestinal diseases. Journal of Basic and Environmental Sciences (2018); 5(2), 115-122.
31. Mamdouh M. Esmat, Ahmed G. Abdelhamid, **Sabah A. Abo-ELmaaty**, Mohamed A. Nasr-Eldin, Mervat G. Hassan, Abeer A. Khattab and Ahmed Esmael. Antibiotics and Phage Sensitivity as Interventions for Controlling *Escherichia coli* Isolated from Clinical Specimens. Journal of Pure and Applied Microbiology, Dec. (2017); 11(4), 1749-1755. DOI: <http://dx.doi.org/10.22207/JPAM.11.4.13>
32. **Sabah A. Abo-ELMaaty**; Noha K. El-DougDoug and Mahmoud M. Hazaa. Improved antibacterial efficacy of bacteriophage cosmetic formulation for treatment of

Staphylococcus aureus in vitro. Annals Agric. Sci., Fac. Agric., Ain Shams Univ., Cairo. (2016) ISSN: 0570-1783 EEC.

33. Abdel-Monem M. O., Hazaa M. M., Radwan M. A., **Ahamed S. A.** and Ismail A. M. Bacteriological and physico-chemical evaluation of certain sources of drinking water in Qalubia and pretreatment by NR-CB nanocomposite. Egyptian J. of Botany and Microbiology (2016).
34. F.M. Bassiouny, R.R. Khalil, K.A. El-Dougdog, **S. Abo-Elmaaty** and M.S. Yousef. Geminivirus Modified Antioxidant Systems and Proline Accumulation in Tomato Plant. Journal of Functional And Environmental Botany 2015, 5(1) 31-40. DOI : 10.5958/2231-1750.2015.00005.0.
35. Bassiouny; El-Dougdog, K.A.; **Sabah A. Ahmed** and M.S. Yousef. A dramatic physiological and anatomical changes of tomato plants infecting with *Tomato Yellow Leaf Curl Virus geminivirus*. Journal of Agricultural Technology (2014) Vol.10(5):1213-1229 Available online <http://www.ijat-aatsea.com>.
36. Noha K. El-Dougdog, Sherin A. Mahfouze, **Sabah A. Ahmed**, Badawi A. Othman, Mahmoud M. Hazaa. Characterization, Genetic Diversity of Tomato Yellow Leaf Curl Virus Egyptian Isolate. Scientia Agriculturae, 3(2) 58-69. www.pscipub.com/SA E-ISSN: 2310-953X / P-ISSN: 2311-0228 DOI: 10.15192/PSCP.SA.2014.3.2.5869.
37. N. K. El-Dougdog, S. Mahfouze, **Sabah A. Ahmed**, B. Othman, M. Hazaa Published 2014 Biology, Environmental Science. Characterization , Nucleotide Sequencing Of Tomato Yellow Leaf Curl Virus Egyptian Isolate. Semantic Scholar (Biology, Environmental Science) (2014). <https://doi.org/10.15192/pscp.sa.2014.3.2.5869>
38. Noha K. El-Dougdog, Sherin A. Mahfouze, **Sabah A. Ahmed**, Badawi A. Othman and Mahmoud M. Hazaa (2013): Identification of Biochemical and Molecular Markers in *Tomato Yellow Leaf Curl Virus* Resistant Tomato Species. Scientia Agriculturae (2013), (2) 2. 46-53. www.pscipub.com/SA E-ISSN: 2310-953X / P-ISSN: 2311-0228.
39. Mamdouh H. Abd El-Ghaffar; **Sabah A. Abo-El Maaty** and Sabry Y.M. Mahmoud. Identification and detectability of broad bean stain virus in broad bean seeds and effects on nodulation. Archives of Phytopathology And Plant Protection (2011), [Volume 44, Issue 4](#): 390–403.
40. **Sabah A. Ahmed**; Nasr-Eldin, M. A.; El-Dougdog, K. A.; Othman, B. A. and Abdel-Aziz, S. H. Biochemical detection of three viroids naturally infecting grapevine in Egypt. Egyptian J. Virol. (2012), 9 (2): 593-619.

41. Nasr-Eldin, M.A.; **Sabah A. Ahmed**; El-DougDoug, K. A.; Othman, B. A. and Abdel-Aziz, S. H. (2012): Grapevine viroids infection and the impact on vine yield. Egyptian Society of Virology (2012) , 9 (2): 621-645.
42. Nasr-Eldin, M. A.; El-DougDoug, K. A.; Othman, B. A.; **Sabah A. Ahmed** and Abdel-Aziz, S. H. Three Viroids Frequency Naturally Infecting Grapevine in Egypt. International Journal of Virology (2012),8 (1): 1-13.
43. Dina M. Barka and **Sabah A. Abo El-Maaty**. Quantitative and qualitative changes of phytochemical composition in viral-infected N. tabaccum. Journal of Applied Sciences Research (2008), 4(9):1083-1091.
44. Sabry Y.M. Mahmoud, **Sabah A. Abo-ElMaaty**, Aly M. El-Borolosy and Mamdouh H. Abdel-Ghaffar. Identification of Onion Yellow Dwarf Potyvirus as one of the Major Viruses Infecting Garlic in Egypt. International Journal of Virology(2008), 4(1): 1-13. <https://doi.org/10.3923/ijv.2008.1.13>.
45. El-DougDoug, K.A.; Hazaa, M.M.; Hanaa Gomaa, H.A.; **El-Maaty, S.A.** Eradication of banana viruses from naturally infected banana plants. 1 - Biological and molecular detection of cucumber mosaic virus and bunchy banana top virus in naturally infected banana plants. Journal of Applied Sciences Research (2006), 2 (12):1156-1163.
46. MM Hazaa, KA El-DougDoug, **SA El-Maaty**. Eradication of banana viruses from naturally infected banana plants 2. Production of certified banana plants and virus tested. Journal of Applied Sciences Research (2006), 2 (10): 714-722.
47. Kh.A. El-DougDoug, Hanaa H.A. Gomaa and **Sabah abo El-Maaty**. The Impact of Interference Between Tomato Yellow Leaf Curl and Tomato Mosaic Viruses on Tomato Plants. Journal of Applied Sciences Research (2006), 2 (12):1151-1155.
48. El-DougDoug, K. A.; Rehab A. Dawoud; **Sabah A. Abo-ElMaaty**; Hazaa M.A. and A. A. Kandil (2012): Monitoring of microtubers virus tested-derived potato tissue culture by DNA fingerprint analysis. Egyptian Society of Virology, November 14-16 (2012).

عميد الكلية

رئيس مجلس قسم النبات و الميكروبيولوجي

المتقدم للترقية

أ.د. محمد أحمد هيكل

أ.د. محمد عثمان عبد المنعم

أ.م.د. صباح أبوالمعاطي أحمد