

RESUME

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Educational Qualifications:

Degree	College/ University	Year of Passing
B.Sc., Botany	H.H.The Rajah's College, Pudukkottai	1979
M.Sc., Botany	St.Joseph's College, Tiruchirappalli	1981
Ph.D., Botany	Department of Botany, Bharathidasan University, Tiruchirappalli	1988

Areas of Research Interest:

Plant Anatomy and Development Plant Reproductive Physiology and Biochemistry Plant Histochemistry Pharmacognosy and Phytochemistry

Honors and Awards:

College first rank in B.Sc., Botany (1976-79)

Membership in Academic bodies:

1. Life member in the society of Plant Physiology, IARI, New Delhi.
2. Member in the Botanical Society of India, Meerut.
3. Member in the Society for Advancement of Botany, Meerut.

Research Projects Completed:

1. Minor research Project funded by UGC in **1990** to work on the nitrogen fixation in Casuarina sp. Nodules caused by Frankia Sp.
2. Minor research project funded by UGC in **2008** to work on Siderophore production in Rhizobium sp. In tannery effluent.

Research Guidance:

Ph.D.Degree Completed : 05

Ph D Ongoing : 07

MPhil Degree : 55

Research Publications:

1. T. Nargis Begum, **M.H. Muhammad Ilyas**, S. Kalavathy, A. Vijaya Anand, P. Sampath Kumar and R. Senthil. 2009. Effects of Ethanolic Leaf Extract of Azima tetracantha Lam. On Ehrlich Ascites Carcinoma Tumor Bearing Mice. Research Journal of Medicine and Medical Sciences, 4(2): 351-354.

2.NARGIS BEGUM, T., **MUHAMMAD ILYAS, M. H.**, BURKANUDEEN, A.,KALAVATHY, S.,VIJAYAANAND, A.,SAMPATHKUMAR, P.AND JASWANTH,A.2009. HYPOGLYCEMIC AND ANTIHYPERLIPIDEMIC ACTIVITY OFETHANOLIC LEAF EXTRACT OF AZIMA TETRACANTHA LAM. ON ALLOXAN-INDUCED DIABETIC RATS. Journal of Cell and Tissue Research Vol. 9(1) 1681-1685.

3. S. Dhanapackiam and **M.H. Muhammad Ilyas**. 2010. Effect of salinity on chlorophyll and carbohydrate contents of *Sesbania grandiflora* seedlings. *Indian Journal of Science and Technology*, Vol.3 No. 1, 64-66.
4. Rajeshkumar Jayaraman and **M.H. Muhammad Ilyas**. 2010. Strain Improvement of *Pseudomonas* sp for the Production of Lipase. *Journal of Experimental Sciences* Vol. 1, Issue 11, Pages 01-03.
5. Rajeshkumar Jayaraman and **M.H. Muhammad Ilyas**. 2010. Strain Improvement of Phosphate Solubilizing Fungal Strains. *Journal of Ecobiotechnology* 2 : (5) , 65-70.
6. S. Dhanapackiam and **M.H. Muhammad Ilyas**. 2010. Leaf area and ion contents of *Sesbania grandiflora* under NaCl and Na₂ SO₄ salinity. *Indian Journal of Science and Technology*, Vol. 3 No. 5, 561-563.
7. Jayaraman Rajeshkumar and **M.H. Muhammad Ilyas**. 2011. Production of Phosphatase by mutated fungal strains. *International Multidisciplinary Research Journal*, Vol 1, No 5
8. Padma priya.B and **M.H. Muhammad Ilyas**. 2011. IN VITRO PLANT REGENERATION AND CALLUS FORMATION FROM THE NODAL EXPLANTS OF *PHYLLANTHUS NIRURI* L. (EUPHORBIACEAE)-A MEDICINAL HERB. *International Journal of Pharmacy Technology*, 3: (1), 1958-1970.
9. Shabana Begum.M, **Muhammad Ilyas.M.H**, Burkanudeen.A. 2011. Protective and Curative Effects of *Justicia tranquebariensis* (Linn) Leaves in Acetaminophen Induced Hepatotoxicity. *International Journal of Pharmaceutical & Biological Archives* 2(3):989-995.
10. Tajuddin Nargis Begum, **Mohamed Hussain Muhammad Ilyas** and Arumugam Vijaya Anand. 2011. Antipyretic activity of *Azima tetraantha* in experimental animals, *Int J Cur Biomed Phar Res*. 1(2): 41 – 44.
11. M Elamathi and **M H Muhammad Ilyas** 2012. Qualitative analysis of phytochemicals of *Cephalandra indica* Naudin leaves. *Pharmacie Globale (IJCP)*, 8;(3), 1-3.
12. M Loganathan and **M H Muhammad Ilyas**. 2012. Impact of cement dust pollution on morphology and histology in some medicinally significant plants. *Pharmacie Globale (IJCP)*, 11 (2), 1-3.
13. M Elamathi and **M H Muhammad Ilyas**. 2012. Phytochemical constituents, fluorescence analysis and proximate composition of *Cephalandra indica* Naud. Unripe fruits. *Pharmacie Globale (IJCP)*, 9 (3), 1-4.
14. B. Padmapriya,M.C.E. Leema, A. Prasanna kumar,**M.H. Muhammad Ilyas** and T. Rajeswari. 2012. Antihepatotoxicity of *Ricinus communis* (L.) Against Ketoconazole Induced Hepatic Damage. *Advances in Biological Research* 6 (1): 30-36.

15. A. Ilavarasi, D. Pandiaraj, D. Mubarak Ali, **M.H. Muhammad Ilyas** and N. Thajuddin. 2012. Evaluation of efficient extraction methods for recovery of photosynthetic pigments from microalgae. *Pakistan Journal of Biological Sciences*. 15: (18), 883-888.
16. Abirami, H., **Muhammad Ilyas, M.H.**, Syed Jahangir, H., Prem Kumar, K., Nargis Begum, T. 2013. AZIMA TETRACANTHA: A TREASURE TO BE HUNTED. *International Journal of Recent Scientific Research* Vol. 4, Issue, 5, pp. 597 – 602.
17. MANIKANDAN VG AND **MUHAMMAD ILYAS MH**. 2013. A STUDY ON ANTIOXIDANT, PROXIMATE ANALYSIS, ANTIMICROBIAL ACTIVITY AND PHYTOCHEMICAL ANALYSIS OF CISSUS QUADRANGULARIS BY GC-MS/MS. *IJBAS*, 2(12): 2230-2236.
18. **Muhammad Ilyas**, Arsia Tarnam and Nargis Begum. 2013. Biological Potential and Phytopharmacological Screening of Gomphrena Species. *Global Journal of Pharmacology* 7 (4): 457-464.
19. Arsia Tarnam Y, **M H Muhammad Ilyas** and T Nargis Begum 2014. Biological Potential and Phytopharmacological Screening of Gomphrena Species. *International Journal of Pharma Research & Review*. Vol 3(1).
20. MANIKANDAN VG AND **MUHAMMAD ILYAS MH**. 2014. ANALYSIS OF PHYTOCHEMICAL CONSTITUENTS AND ANTIBACTERIAL ACTIVITIES OF ALOE VERA L. AGAINST SOME SELECTED PATHOGENS. *IJBAS*, 3(1): 56-62.
21. Shilu Mathew, Muhammad Faheem, Govindaraju Archunan, **Muhammad Ilyas**, Nargis Begum, Syed Jahangir, Ishtiaq Qadri, Mohammad Al Qahtani, and Shiny Mathew. 2014. In Silico Studies of Medicinal Compounds Against Hepatitis C Capsid Protein from North India. *Bioinform Biol Insights*. 8: 159–168.
22. Shilu Mathew, Ashraf Ali, Hany Abdel-Hafiz, Kaneez Fatima, Mohd Suhail, Govindaraju Archunan, Nargis Begum, Syed Jahangir, **Muhammad Ilyas**, Adeel G.A. Chaudhary, Mohammad Al Qahtani, Salem Mohamad Bazarah, Ishtiaq Qadri. 2014. Biomarkers for virus-induced hepatocellular carcinoma (HCC). *Infection, Genetics and Evolution* (26), 4, Pages 327–339.
23. Vijayan, D., Manivannan, K., Santhoshkumar S., Pandiaraj, D., Mohamed Imran, M., Thajuddin, N., Kala, K and **Ilyas, M.H.M.** (2014) Depiction of microalgal diversity in Gundur Lake, Tiruchirappalli District, Tamil Nadu, South India. *Asian Journal of Biological Sciences*. 7(3): 111 - 121.
24. N. Thajuddin, G. Muralitharan, D. Dhanasekaran and **M. H. Muhammad Ilyas** (2014), Microbial Symbionts of Plants. In: Chapter 11, *PLANT BIOLOGY AND BIOTECHNOLOGY* (Eds.) Bir Bahadur, M. V. Rajam, Leela Sahijram and K.V. Krishnamurthy. Springer-Verlag. (In Press)

25. V. Nithya*Anusha Baskar,¹ **M.H. Muhammad Ilyas**. 2014. ANTIMICROBIAL ACTIVITY OF CERTAIN ANTIBIOTICS ON THE MICROBIAL ISOLATES OF KERATITIS PATIENT. World Journal of Pharmaceutical Research. Vol 3, Issue : 10, 1226-1234.
26. H. Abirami¹ , **M. H. Muhammad Ilyas** , K. Prem Kumar and T. Nargis Begum . 2015. Chemical composition of the hexane extract of leaves of Azima tetracantha (Lam.). Asian Journal of Plant Science and Research, 5(3):1-5.
27. ABIRAMI HARIHARAN, **MUHAMMAD ILYAS MOHAMMED HUSSAIN**, PREM KUMAR KUMPATI, NARGIS BEGUM TAJUDDIN, SHILU MATHEW, ISHTIAQ QADRI. 2015. CHEMICAL COMPOSITION OF THE HEXANE EXTRACT OF LEAVES OF AZIMA TETRACANTHA (LAM). International Journal of Pharmacy and Pharmaceutical Sciences. 7: (5), 340-344.
28. Shilu Mathew, Kaneez Fatima, M. Qaiser Fatmi , Govindaraju Archunan , **Muhammad Ilyas** , Nargis Begum , Esam Azhar , Ghazi Damanhour , Ishtiaq Qadri. 2015. Computational Docking Study of p7 Ion Channel from HCV Genotype 3 and Genotype 4 and Its Interaction with Natural Compounds. PLOS ONE. 26: (6), 1-26.
29. A. Maajitha Begam and **M. H. Muhammad Ilyas**. 2015. Phytochemical Screening of Leaves, Bark and Wood of Tamarindus indica Linn. Subjected to Cement Dust Pollution. Int. J. Curr. Res. Biosci. Plant Biol. 2015, 2(9): 50-57.
30. A. Mangaiyarkarasi and **M.H. Muhammad Ilyas**. 2015. Phytochemical Screening and Fluorescence Analysis of Cleome gynandra L. Leaves. Int. J. Curr. Res. Biosci. Plant Biol. 2015, 2(9): 58-65.
31. A. Mangaiyarkarasi and **M. H. Muhammad Ilyas**. 2015. Qualitative Phytochemical Screening of Sida rhombifolia Linn. Int. J. Curr. Res. Biosci. Plant Biol. 2015, 2(8): 64-69.
32. A. Mangaiyarkarasi and **M. H. Muhammad Ilyas**. 2015. INTRODUCTORY PHYTOCHEMICAL SCREENING AND FLUORESCENCE ANALYSIS IN THE LEAVES OF TINOSPORA CORDIFOLIA (THUNB.) MIERS. World Journal of Pharmaceutical Research. Vol 4, Issue 09, 1938-1951.