




Bharathiar University

State University | "A++" Grade by NAAC | 46th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

<p>Dr M.A. SHIBU Assistant Professor Department of Biotechnology Bharathiar University</p> <p>Tamil Nadu E-mail: shibu@buc.edu.in Phone: 7812892313 Office Number:</p>	
<p>Research Area</p> <ul style="list-style-type: none">• Stem cell biology and Regenerative Medicine• Molecular Cardiology• Metabolic Disorders• Aging• Circadian Rhythm	<p>Courses Teaching</p> <ul style="list-style-type: none">• Biophysical Principles and Analytical Techniques• Pharmacogenomics• Indian System of Medicine• Bioethics, Biosafety and IPR
<p>Research Experience: 16</p>	<p>Teaching Experience: 10</p>
<p>Research Credentials (as on October 2025 – Source: Google scholar)</p> <p>H-index: 2397 Citations: 28 i10-index: 69</p>	
<p>Patents : Filed: 1 Granted: 1</p>	
<p>Publications International Journals: 12</p>	
<p>Career</p> <p>Other Institutes</p> <ol style="list-style-type: none">1. Designation : Assistant Professor Institution Name : Noorul Islam College of Arts and Science Period : June 2004 - May 20052. Designation : Assistant Professor Institution Name : Noorul Islam College of Arts and Science Period : January 2007 - August 20083. Designation : Post Doctoral Fellow Institution Name : China Medical University: Taichung, TW Period : February 2013 - July 20184. Designation : Assistant Professor Institution Name : Tzu Chi Medical Hospital, Tiwan Period : August 2019 - October 20215. Designation : Assistant Professor Institution Name : China Medical University Hosptial: Taichung, TW Period : August 2018 - July 2019 <p>At Bharathiar University</p> <ol style="list-style-type: none">1. Designation : Assistant Professor Period : November 2021 - Till Date	
<p>Education</p>	



Bharathiar University

State University | "A⁺⁺" Grade by NAAC | 46th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr M.A. SHIBU , Assistant Professor , Department of Biotechnology

Ph. D.

Subject : Biotechnology
Institution : National Dong Hwa University
Affiliated University : National Dong Hwa University
Year of Award : January 2013

M. Sc.

Subject : Biotechnology
Institution : Kongunadu Arts and Science College
Affiliated University : Bharathiar University
Year of Award : May 2004

B. Sc.

Subject : Biotechnology
Institution : Kongunadu Arts and Science College
Affiliated University : Bharathiar University
Year of Award : March 2002

Projects

Research Guidance On Going

Ph.D. - 3

Institutional Responsibilities

Class Coordinator

Period :Jul 2023 to Till date
Nature of Responsibility :

Patents

Filed - 1

1. Herbal composition, method for preparing same and method for preventing or treating viral infections by administering the same 01-1970 US20240016873A1,EP4259281A1,JP2023534077A,ZA202304854B Cheng-Yen Shih, Pi-Yu LIN, Shinn-Zong Lin, Chih-Yang Huang, Tsung-Jung HO, Chien-Yi Chiang, Yu-Jung LIN, M. A. SHIBU, Wai-Ling LIM

Granted - 1

1. Herbal composition, method for preparing same and method for preventing or treating viral infections by administering the same 01-1970 CN115867301A,TW202228747A Cheng-Yen Shih, Pi-Yu LIN, Shinn-Zong Lin, Chih-Yang Huang, Tsung-Jung HO, Chien-Yi Chiang, Yu-Jung LIN, M. A. SHIBU, Wai-Ling LIM

Selected Publications

1. Rewiring of IGF1 secretion and enhanced IGF1R signaling induced by co-chaperone carboxyl-terminus of Hsp70 interacting protein in adipose-derived stem cells provide augmented cardioprotection in aging-hypertensive rats

Aging (December 2023)

Parthasarathi Barik, Wei-Wen Kuo, Chia-Hua Kuo, Dennis Jine-Yuan Hsieh, Cecilia Hsuan Day, Jayasimharayalu Daddam, Michael Yu-Chih Chen, V. Vijaya Padma, Marthandam Asokan Shibu, Chih-Yang Huang

2. Comparison of two hepatocyte differentiation protocols in human umbilical cord mesenchymal stem cells: In vitro study

Tissue and Cell (June 2023)

Shibu Marthandam Asokan ,Chih-Yang Huang ,Dah-Ching Ding



3. Recuperative herbal formula Jing Si maintains vasculature permeability balance, regulates inflammation and assuages concomitants of

Biomedicine & Pharmacotherapy (April 2023)

Chien-Yi Chiang Yu-Jung Lin Wen-Tsan Weng Heng-Dao Lin Cheng-You Lu Wan-Jing Chen Cheng Yen Shih Pi-Yu Lin Shinn-Zong Lin Tsung-Jung Ho Shibu Marthandam Asokan Chih-Yang Huang

4. Combined effect of traditional Chinese herbal-based formulations Jing Si herbal tea and Jing Si nasal drop inhibits adhesion and transmission of SARS-CoV2 in diabetic SKH-1 mice

Frontiers in Pharmacology (November 2022)

Chien-Yi Chiang, Wei-Wen Kuo, Yu-Jung Lin, Chia-Hua Kuo, Cheng-Yen Shih, Pi-Yu Lin, Shinn-Zong Lin, Tsung-Jung Ho, Chih-Yang Huang, Marthandam Asokan Shibu

5. Artemisia argyi exhibits anti-aging effects through decreasing the senescence in aging stem cells

Aging (March 2022)

Shibu Marthandam Asokan; Tsung-Jung Ho; Debakshee Goswami; Wei-Wen Kuo; Chia-Hua Kuo; Shih Cheng Yen; Pi-Yu Lin; Shinn-Zong Lin; Dennis Jine-Yuan Hsieh; Marthandam Asokan Shibu

6. Novel anti-aging herbal formulation Jing Si displays pleiotropic effects against aging associated disorders

Biomedicine & Pharmacotherapy (January 2022)

Marthandam Asokan Shibu, Yu-Jung Lin, Chien-Yi Chiang, Cheng-You Lu, Debakshee Goswami, Navaneethan Sundhar, Surbhi Agarwal, Md Nazmul Islam, Pi-Yu Lin, Shinn-Zong Lin, Tsung-Jung Ho, Wan-Ting Tsai, Wei-Wen Kuo, Chih-Yang Huang

7. Regulating Inflammation Associated Ferroptosis-A Treatment Strategy for Parkinson Disease

Current Medicinal Chemistry (April 2021)

Shibu Marthandam Asokan, B. Mahalakshmi, Bharath Kumar Velmurugan

8. E3 ligase activity of Carboxyl terminus of Hsc70 interacting protein (CHIP) in Wharton's jelly derived mesenchymal stem cells improves their persistence under hyperglycemic stress and promotes the prophylactic effects against diabetic cardiac damages

Bioengineering & Translational Medicine (January 2021)

Ayaz Ali, Wei-Wen Kuo, Chia-Hua Kuo, Jeng-Fan Lo, Michael Y. C. Chen, Jayasimha R. Daddam, Tsung-Jung Ho, Vijaya Padma Viswanadha, Marthandam Asokan Shibu*, Chih-Yang Huang

9. Nerolidol improves cardiac function in spontaneously hypertensive rats by inhibiting cardiac inflammation and remodelling associated TLR4/ NF- κ B signalling cascade

Food and Chemical Toxicology (November 2020)

Yueh-Min Lin, Khan Farheen Badrealam, Wei-Wen Kuo, Pei Fang Lai, William Shao-Tsu Chen, Cecilia Hsuan Day, Tsung-Jung Ho, Vijaya Padma Viswanadha, Marthandam Asokan Shibu, Chih-Yang Huang

10. A novel dipeptide from potato protein hydrolysate augments the effects of exercise training against high-fat diet-induced damages in senescence-accelerated mouse-prone 8 by boosting pAMPK / SIRT1/ PGC-1 β / pFOXO3 pathway

Aging (April 2020)

Shibu Marthandam Asokan, Ting Wang, Ming-Fu Wang, Wan-Teng Lin

11. Protein hydrolysate from potato confers hepatic-protection in hamsters against high fat diet induced apoptosis and fibrosis by suppressing Caspase-3 and MMP2/9 and by enhancing Akt-survival pathway

BMC Complementary Medicine and Therapies (October 2019)

Shibu Marthandam Asokan, Tsu-Han Hung, Zong-Yan Li, Wen-Dee Chiang & Wan-Teng Lin



12. Mushrooms: A Wealth of Resource for Prospective Stem Cell-Based Therapies

Medicinal Mushrooms (May 2019)

Marthandam Asokan Shibu, Tamilselvi Shanmugam, Dinesh Chandra Agrawal & Chih-Yang Huang