

*E11-3070, Department of Mathematics
Faculty of Science and Technology
University of Macau
Macao S.A.R., China.*

Email: garyhu@um.edu.mo
Tel.: +853 8822 8544, *Fax:* +853 8822 2426
Personal Web.: <https://ghhu.github.io/>
b.: <https://www.fst.um.edu.mo/people/garyhu>

Education

- Ph.D, Department of Mathematics, Hong Kong Baptist University 2010
M.Sc, College of Mathematics, Sichuan University 2006
B.Sc, College of Mathematics, Sichuan University 2003

Working Experience

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| Professor, Department of Mathematics, University of Macau | 2025–present |
| Associate Professor, Department of Mathematics, University of Macau | 2018–2025 |
| Assistant Professor, Department of Mathematics, University of Macau | 2012–2018 |
| Postdoc, Department of Mathematics, Michigan State University | 2010–2012 |

Teaching

Undergraduate: Mathematical analysis I&II • Advanced mathematics I&II • Introduction to Scientific Computing • Partial differential equations • Numerical analysis, Mathematical Modeling • Calculus (Michigan State University).

Postgraduate: Partial differential equations • Numerical methods for differential equations • Advanced engineering mathematics

Research Interest

Numerical solutions for partial differential equations, including the design and analysis of numerical methods, software development, and applications in computational physics.

Funding Acknowledgment

National Natural Science Foundation of China • Science and Technology Development Fund of Macao SAR • Guangdong Science and Technology Department • University of Macau

Professional Services

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| Member of Editorial Board, <i>Communications in Computational Chemistry</i> | 2024–present |
| Member of Editorial Board, <i>Mathematica Numerica Sinica</i> | 2024–present |
| Member of Specialized Committee for Spectral Methods and Applications
China Society for Industrial and Applied Mathematics | 2024–present |
| Member of Executive Committee, China Society for Computational Mathematics, | 2023–present |
| Member of Executive Committee, East Asian Section of SIAM | 2021–present |
| Member of Editorial Board, <i>Communications in Computational Physics</i> | 2020–present |
| Peer reviewer and Panelist of NSF of China and GDSTC, | 2019–present |
| Member of Sixth Specialized Committee for Fundamental Science
Chinese Association of Young Scientists and Technologists | 2019–present |
| Associate Editor, <i>Advances in Applied Mathematics and Mechanics</i> | 2018–present |
| Member of Specialized Committee for High-Performance Computing and Mathematical Software
China Society for Industrial and Applied Mathematics | 2018–present |

Awards

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| Incentive Scheme for Outstanding Academic Staff, University of Macau | 2023 |
| Long Service Award, University of Macau | 2023 |
| FST Teaching Excellence Award, University of Macau – <i>Nominee for University Award</i> | 2022 |
| FST Teaching Excellence Award, University of Macau | 2018 |
| The Best Thesis Award, Hong Kong Mathematical Society | 2010 |
| The First Prize Winner, Third Student Paper Competition for Young Computational Mathematicians, China Society for Computational Mathematics | 2007 |