

PERSONAL:

Name: **Ming-Zhi Zhang (张明智)**
Department: Department of Chemistry, NJAU
Gender: Male
Degree: Ph.D.
Title: Associate Professor
Major: Natural product and Medicinal Chemistry
Graduated: Central China Normal University
University:
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RESEARCH INTERESTS:

1. Natural products based lead discovery for fungicide (Synthesis, QSAR and biological evaluation) and mechanism of action.
2. Study of medicinal chemistry on active natural products.
3. Development and processing of new pesticide formulation.

PROFESSIONAL EXPERIENCE:

2016-Now Associate Professor, College of Sciences, NJAU
2015-2016 Lecturer, College of Sciences, NJAU
2013-2014 Visiting Scholar, GlaxoSmithKline, RTP, NC, USA
2008-2013 Syngenta Sponsored Ph.D Student, Central China Normal University

HONORS AND AWARDS:

2017 Outstanding Reviewer of European Journal of Medicinal Chemistry
2015 Excellent doctoral thesis of Hubei province, China
2013 GlaxoSmithKline Visiting Scholarship
2012 Sevencontinent Agrochemical Scholarship Award
2011 Best Presentation Award, 6th Syngenta International Conference, Beijing
2008 Syngenta Postgraduate Fellowship Award
2007 Advanced Individual Award of Social practice of Hubei province, China
2004 China KFC Dawn Fund Award

TEACHING:

1. Organic Chemistry, Experimental Chemistry II (English courses for international students)

2. Chemistry of Natural Product, Fine Chemicals Chemistry, Organic Synthesis Experiment, Introduction to Chemistry Course, Practice for organic synthesis and fine chemicals chemistry.
3. Guiding undergraduate graduation design and SRT program.

RESEARCH PROJECTS:

1. National Science Foundation for Young Scientists of China (NSFC, 21602110), Structural Optimization of Natural Product Pimprinine and Antifungal Activity Study of Its Derivatives, 01/01/2017 - 12/31/2019;
2. Jiangsu Provincial Science Foundation for Youths (BK20160734), Synthesis and Antifungal Activity of Novel Streptochlorin Analogues, Department of Science and Technology of Jiangsu Province, 07/01/2016 - 06/30/2019;
3. Fundamental Research Funds for the Central Universities of China (KYZ201646), Structural Optimization of Natural Product Streptochlorin and Antifungal Activity Study of Its Derivatives, 01/01/2016 - 12/31/2018;
4. Fundamental Research Funds of Nanjing Agricultural University (KJQN201720), Structural Optimization of Natural Product Pimprinine and Antifungal Activity Study, Nanjing Agricultural University, 01/01/2017 - 12/31/2019.

PUBLICATIONS:

1. Chen-Yang Jia, Li-Yong Xu, Xiang Yu, Yu-Bing Ding, Bing Jin, **Ming-Zhi Zhang***, Wei-Hua Zhang, Guang-Fu Yang. An efficient synthesis and antifungal evaluation of natural product streptochlorin and its analogues. *Fitoterapia* **2018**, *125*, 106-110. (SCI, IF = 2.642)
2. **Ming-Zhi Zhang***, Chen-Yang Jia, Yu-Cheng Gu, Nick Mulholland, Sarah Turner, David Beattie, Wei-Hua Zhang*, Guang-Fu Yang, John Clough. Synthesis and antifungal activity of novel indole-replaced streptochlorin analogues. *European Journal of Medicinal Chemistry* **2017**, *126*, 669-674. (SCI, IF = 4.816)
3. **Ming-Zhi Zhang**, Rong-Rong Zhang, Jia-Qun Wang, Xiang Yu, Ya-Ling Zhang, Qing-Qing Wang, Wei-Hua Zhang*. Microwave-assisted synthesis and antifungal activity of novel fused Osthole derivatives. *European Journal of Medicinal Chemistry* **2016**, *124*, 10-16. (SCI, IF = 4.519)
4. Rong-Rong Zhang, Jia Liu, Yu Zhang, Meng-Qing Hou, **Ming-Zhi Zhang***, Fengler Zhou, Wei-Hua Zhang*. Microwave-assisted synthesis and antifungal activity of novel coumarin derivatives: Pyrano[3,2-*c*]chromene-2,5-diones. *European Journal of Medicinal Chemistry* **2016**, *116*, 76-83. (SCI, IF = 4.519)

5. **Ming-Zhi Zhang**, Yu Zhang, Jia-Qun Wang and Wei-Hua Zhang*. Design, Synthesis and Antifungal Activity of Coumarin Ring-Opening Derivatives. *Molecules* **2016**, *21*, 1387. (SCI, IF = 2.861)
6. **Ming-Zhi Zhang**, Rongrong Zhang, Jiaqun Wang, Xiang Yu, Yaling Zhang, Qingqing Wang, Weihua Zhang*. Microwave-promoted Synthesis of Novel Fused Osthole Analogues. *Chinese Journal of Chemistry* **2016**, *34*, 1344-1352. (SCI, IF = 1.852)
7. **Ming-Zhi Zhang**, Rong-Rong Zhang, Wen-Zheng Yin, Xiang Yu, Ya-Ling Zhang, Pin Liu, Yucheng Gu, Wei-Hua Zhang*. Microwave-assisted Synthesis and antifungal activity of coumarin[8,7-*e*][1,3]oxazine derivatives. *Molecular Diversity* **2016**, *20*, 611-618. (SCI, IF = 1.752)
8. **Ming-Zhi Zhang**, Nick Mulholland, David Beattie, Dianne Irwin, Yu-Cheng Gu, Qiong Chen, Guang-Fu Yang*, and John Clough. Design, Synthesis and Antifungal Activity of Novel Streptochlorin Derivatives. *European Journal of Medicinal Chemistry* **2015**, *92*, 776-783. (SCI, IF = 3.902)
9. **Ming-Zhi Zhang**, Qiong Chen, Guang-Fu Yang*. A Review on Recent Developments of Indole-Containing Antiviral Agents. *European Journal of Medicinal Chemistry* **2015**, *89*, 421-441. (SCI, IF = 3.902, Invited Review, Highly Cited Paper)
10. **Ming-Zhi Zhang**, Nick Mulholland, David Beattie, Dianne Irwin, Yu-Cheng Gu, Qiong Chen, Guang-Fu Yang, and John Clough. Synthesis and Antifungal Activity of 3-(1,3,4-Oxadiazol-5-yl)-Indoles and 3-(1,3,4-Oxadiazol-5-yl)methyl-Indoles. *European Journal of Medicinal Chemistry* **2013**, *63*, 22-32. (SCI, IF = 3.432, Ranked No. 2 in Most Download European Journal of Medicinal Chemistry Articles list, 2013)
11. **Ming-Zhi Zhang**, Qiong Chen, Nick Mulholland, David Beattie, Dianne Irwin, Yu-Cheng Gu, Guang-Fu Yang, John Clough. Synthesis and Fungicidal Activity of Novel Pimprinine Analogues. *European Journal of Medicinal Chemistry* **2012**, *53*, 283-291. (SCI, IF = 3.499)
12. Qiong Chen, Yu-Chao Liu, **Ming-Zhi Zhang**, Guang-Fu Yang. Synthesis and Herbicidal Activity of Substitued Phenoxy 1,2,4-Triazolo[1,5-*a*]Pyrimidine Derivatives. *Chinese Journal of Pesticide Science*, **2009**, *11*, 31-35.
13. Pei-Liang Zhao, Fu Wang, **Ming-Zhi Zhang**, Zu-Ming Liu, Wei Huang, Guang-Fu Yang. Synthesis, Fungicidal, and Insecticidal Activities of β -Methoxy-acrylate-Containing N-Acetyl Pyrazoline Derivatives. *Journal of Agricultural and Food Chemistry* **2008**, *56*, 10767-10773.
14. 《Pesticide Synthesis》 (Editors: Baoan, Song, Weihua Zhang, **Ming-Zhi Zhang**, Chemical Industry Press, 2016.