

# Wenguang Zhou

Professor and head

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## Professional Preparation

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04/2015-08/2015	Research Assist. Prof.	Algae-biofuel	Dept. of Bioproducts and Engineering, University of Minnesota, USA
01/2014-03/2015	Research Associate	Algae-biofuel	Dept. of Bioproducts and Engineering, University of Minnesota, USA
01/2010-12/2013	Postdoc	Algae-biofuel	Dept. of Bioproducts and Engineering, University of Minnesota, USA
7/2007-7/2009	Assist. Prof.	Algae-biofuel	Dept. of Biological Sciences Tsinghua University, Beijing, China
12/2004- 5/2007	Ph.D	Environmental Science	Dept. of Biological Sciences National University of Singapore, Singapore
9/2004-6/2007	Ph.D.	Biotechnology	Dept. of Biological Sciences, Sun Yat-Sen University, Guangzhou, China
9/2001-7/2004	Master	Microbiology	Center for Biotechnology, Guangxi University, Nanning, China
9/1997-7/2001	B.S.	Bioengineering	Nanchang University, Nanchang, China

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## Appointments

**09/15-present**

**Professor, School of Resources, Environmental&Chemical Engineering**

**Deputy Director of Key Laboratory of Poyang Lake Environment and Resource Utilization,  
Ministry of Education**

**Head of Department of Resource Recycling Science & Engineering**

**Biomass Engineering Research Center, Ministry of Education**

**Nanchang University**

## Publications

1. Lu, Q., Li, J., Wang, J.H., Li, K., Li, J.J., Han, P., Chen, P., **Zhou W.G\***. 2017. Exploration of a mechanism for simultaneous production of highly unsaturated fatty acids and protein in *Scenedesmus sp.* at low temperature grown on oil crop residue based media. *Bioresour Technol.* 244: 542-551. (\*Corresponding Author)
2. Lu, Q., Qian W., Liu W., Liu H., **Zhou, W.G.**, Deng, J.C., Wang Q., Sun YF., Zhou, KQ., Ming CB., Wang, B., Yao C., Li J., Du, J.J. 2017. A fluorescence in situ hybridization method for the measurement of denitrifying phosphorus-accumulation organisms and study on the metabolisms of activated sludge. *Journal of Cleaner Production.* 152: 28-37.
3. Wu XD., Yan C., Zheng HL., Luo SS., Liu YH., Li W., Cheng YL., Min M., **Zhou W.G.**, Chen P., Ruan R. 2017. Fixing CO<sub>2</sub> and treating wastewater from beer brewery using microalgae. *Journal of Biobased materials and bioenergy.* 11(2): 101-105.
4. **Zhou, W.G\***, Wang, J.H., Chen, P., Ji, Chengcheng., Kang, Qiuyun., Lu, Bei., Li, Kun., Liu J, Ruan, R. 2017. Bio-mitigation of carbon dioxide using microalgal systems: advances and Perspectives. *Renew Sustain Energy Rev.* 76:1163-1175 (\*Corresponding Author)
5. Hussain, F., Shah, S.Z., **Zhou, W.G.**, Iqbal, M. 2017. Microalgae screening under CO<sub>2</sub> stress: Growth and Micro-nutrients Removal Efficiency. *Journal of Photochemistry & Photobiology, B: Biology.* 170: 91-98.
6. Ma YW., **Zhou WG.**, Chen P., Urriola P., Gislerod H., Shurson G., Ruan R., Chen C. 2015. Effects of algae feeding on mouse metabolome. *FASEB Journal.* 29 (1) supplement 745.3.
7. Ma YW., **Zhou WG.**, Chen P., Urriola P., Gislerod H., Shurson G., Ruan R., Chen C. 2016. Metabolomic analysis revealed dose-dependent association between growth performance and redox metabolites in algae feeding. *FASEB Journal.* 30 (1) supplement 690.23.
8. Liu, J., Mao, X.M., **Zhou W.G.**, Guarnieri M.T. 2016. Simultaneous production of triacylglycerol and high-value carotenoids by the astaxanthin-producing oleaginous green microalga *Chlorella zofingiensis*. *Bioresour Technol.* 214: 319-327.
9. Ma XC., Zheng HL., **Zhou W.G.**, Liu YH., Chen P., Ruan R. 2016. Enhanced harvesting of *Chlorella vulgaris* using combined flocculants. *Appl. Biochem. Biotechnol.* DOI: 10.1007/s12010-016-2133-5.
10. Wu XD., Zhang JS., Xu E., Liu YH., Cheng YL., Addy M., **Zhou W.G.**, Griffith R., Chen P., Ruan R. 2016. Microbial hydrolysis and fermentation of rice straw for ethanol production. *Fuel.* 180: 679-686.
11. Wang JH., **Zhou, W.G\***, Yang HZ., Wang F., Ruan R. 2016. Application of nitrogen sufficiency conversion strategy for microalgae-based ammonium-rich wastewater treatment. *Environmental Technology.* 1-11. (\*Corresponding Author)
12. Chen P., Xie QL., Min A., **Zhou W.G.**, Cheng YL., Liu YH., Wang YP., Wan YQ., Li K., Lei HW., Ruan R. 2016. Utilization of municipal solid and liquid wastes for bioenergy and bioproducts production. *Bioresour Technol.* 215:163-172.
13. Lu Q., **Zhou W.G.**, Min M., Ma XC, Ma YW, Chen P, Zheng HL, Doan Y., Liu H, et al.. 2015. Mitigating ammonia nitrogen deficiency in dairy wastewaters for algae cultivation. *Bioresour Technol.* 201: 33-40.

14. Lu Q., **Zhou W.G.**, Min M., Ma XC, Chandra C, Doen Y., Ma YW., Zheng HL., Cheng SB, et al.. 2015. Growing *Chlorella* sp. on meat processing wastewater for nutrient removal and biomass production. *Bioresour Technol.* 198:189-197.
15. Wang JH., **Zhou, W.G\***, Yang HZ., Wang F., Ruan R. 2015. Trophic mode conversion and nitrogen deprivation of microalgae for high ammonium removal from synthetic wastewater. *Bioresour Technol.*196: 668-676. (\*Corresponding Author)
16. **Zhou, W.G\***, Wang JH. Bio-flocculation of Microalgae: Status and Prospects. *Current Biotechnology*.4: 4-12. (\*Corresponding Author)
17. Zheng HL., Ma XC., Gao Z., Wan YQ., Min M., **Zhou W.G.**, Yun Li., Yuhuan Liu., He Huang., Paul Chen., Roger Ruan. 2015. Lipid production of heterotrophic *Chlorella* sp. from hydrolysate mixtures of lipid-extracted microalgal biomass residues and molasses. *Appl. Biochem. Biotechnol.* 177: 662-674.
18. Zhang YK., Ma N., Zhou Y., Fu T.T., Meng JZ., **Zhou W.G\***. 2014. Treatment of Nutrient-rich Municipal Wastewater Using Mixotrophic Strain *Chlorella kessleri* GXLB-9. *Journal of Sustainable Development Studies.* 7(1): 1-18. (\*Corresponding Author)
19. Ma, X.C., **Zhou, W.G.**, Fu, Z.Q., Cheng, Y.L., Min M., Liu Y.H., Chen, P., Ruan, R. Effect of Wastewater-borne Bacteria on Algal Growth and Nutrients Removal in Wastewater-based Algae Cultivation System. *Bioresour Technol.* 167: 8-13.
20. Peng, P., **Zhou, W.G\***. 2014. The Next Generation Feedstock of Biofuel: *Jatropha* or *Chlorella* as Assessed by Their Life-cycle Inventories. *Agriculture.* 4: 217-230. (\*Corresponding Author).
21. **Zhou, W.G.**, Chen P, Min, M., Ma, X., Wang, J.H., Griffith, R., Hussain, F., Peng, Pu., Xie, Q.L., Li Y., Meng, J.Z., Ruan, R. 2014. Environment-enhancing Algal Biofuel Production Using Wastewaters. *Renew Sustain Energy Rev.* 36: 256-269.
22. **Zhou, W.G. \***, Ruan, R. 2014. Biological mitigation of carbon dioxide via microalgae: recent development and future direction. *Scientia Sinica Chimica.* 44(1): 63-78. (\*Corresponding Author).
23. Min M, **Zhou, W.G.\***, Hu B. Fu ZQ, Michael M, Jiang, YC, Sun, Y., Chen P, and R. Ruan. 2013. Swine manure-based pilot scale algal biomass production system for fuel and wastewater treatment – A case study. *Appl. Biochem. Biotechnol.* 172: 1390-1406. (\*corresponding Author).
24. Wang Z, Ma, X, **Zhou W.G.\***, Min M, Shi J. Wang Q. Chen P, and R. Ruan\*. 2013. Oil Crop Biomass Residues-based Medium for Enhanced Algal Lipid and protein Production. *Appl. Biochem. Biotechnol.* 171: 689-703. (\*Corresponding Author).
25. Hu, B., **Zhou, W.G.**, Min, M., Du Z., Chen, P, Ma, X., Liu, Y., Lei H., Shi, J., Ruan, R. 2013. Development of an effective acidogenically digested swine manure-based algal system for improved wastewater treatment and biofuel & feed production. *Appl Energy.* 107: 255-263 (Mentoring Ph.D candidate student).

26. **Zhou, W.G.**, Min, M., Hu, B., Chen, P and Ruan, R. 2013. Filamentous fungi assisted bio-flocculation: an efficient and low-cost technique for harvesting heterotrophic and autotrophic microalgal cells. *Sep. Purif. Technol.* 107: 158-165.
27. **Zhou, W.G.**, Hu, B., Li, Y., Min, M., Chen, P and Ruan, R. 2012. Mass cultivation of microalgae on animal wastewater: a sequential two-stage cultivation process for biofuel feedstock and omega-3 rich animal feed production. *Appl. Biochem. Biotechnol.* 168: 348-363.
28. **Zhou, W.G.**, Li Y, Min M, Hu B, Zhang H, Ma X, Cheng Y, Chen P, Ruan R. (2012) Growing Wastewater-born Microalga *Auxenochlorella protothecoides* UMN280 on Concentrated Municipal Wastewater for Simultaneous Nutrient Removal and Energy Feedstock Production. *Appl. Energ.* 98: 433-440.
29. **Zhou, W.G.**, Cheng Y, Li Y, Wan Y, Liu Y, Lin X, Ruan R. (2012) Novel Fungal Pelletization Assisted Technology for Algae Harvesting and Wastewater Treatment. *Appl. Biochem. Biotechnol.* 167(2): 214-228.
30. **Zhou, W.G.**, Min, M., Li, Y., Hu, B., Ma, X., Cheng, Y., Liu, Y., Chen, P, and Ruan, R. 2012. A Hetero-photoautotrophic Two-stage Cultivation process to Improve Wastewater Nutrient Removal and Enhance Algal Lipid Accumulation. *Bioresour Technol.* 110, 448-455.
31. Li, Y., **Zhou, W.G.**, Hu, B., Min, M., Chen, P and Ruan, R. 2012. Effect of light intensity on algal biomass accumulation and biodiesel production for mixotrophic strains *Chlorella kessleri* and *Chlorella protothecoide* cultivated in highly concentrated municipal wastewater. *Biotechnol Bioeng.* 109: 2222-2229 (Mentoring Ph.D candidate student).
32. Du Z, Mohr M, Ma X, Cheng Y, Lin X, Liu Y, **Zhou W.G.**, Chen P, Ruan R. 2012. Hydrothermal pretreatment of microalgae for production of pyrolytic bio-oil with a low nitrogen content. *Bioresour Technol.* 120: 13-18 (Mentoring Ph.D candidate student).
33. Hu, B., Min, M., **Zhou, W.G.**, Li, Y., Mohr M., Cheng, Y., Chen, P and Ruan, R. 2012 Influence of exogenous CO<sub>2</sub> on biomass and lipid accumulation of microalgae *Auxenochlorella protothecoides* cultivated in concentrated municipal wastewater. *Appl. Biochem. Biotechnol.* 166:1661-1673 (Mentoring Ph.D candidate student).
34. Hu, B., Min, M., **Zhou, W.G.**, Li, Y., Mohr M., Cheng, Y., Chen, P and Ruan, R. 2012 Enhanced mixotrophic growth of microalga *Chlorella* sp. on pretreated swine manure for simultaneous biofuel feedstock production and nutrient removal. *Bioresour Technol.* 126: 71-79 (Mentoring Ph.D candidate student).
35. Min, M., Hu, B., **Zhou, W.G.**, Li, Y., Chen, P and Ruan, R. 2012. Mutual influence of light and CO<sub>2</sub> on carbon sequestration via cultivating mixotrophic algae UMN280 in an organic carbon-rich wastewater. *J. Appl. Phycol.* 24: 1099-1105.
36. Li, Y., **Zhou, W.G.**, Hu, B., Min, M., Chen, P and Ruan, R. 2011. Integration of Algae Cultivation as Biodiesel Production Feedstock with Municipal Wastewater Treatment: Strains Screening and Significance Evaluation of Environmental Factors. *Bioresour Technol.* 102: 10861-10867 (Mentoring Ph.D candidate student).

37. **Zhou, W.G.**, Li, Y., Min, M., Hu, B., Chen, P and Ruan, R. 2011. Local bioprospecting for high-lipid producing microalgal strains to be grown on concentrated municipal wastewater for biofuel production. *Bioresour Technol.* 102(13): 6909-19.
38. Li Y, Chen YF, Chen P, Min M, **Zhou W.G.**, Martinez B, Zhu J, Ruan R. 2011. Characterization of a microalga *Chlorella* sp. well adapted to highly concentrated municipal wastewater for nutrient removal and biodiesel production. *Bioresour Technol.* 102(8): 5138-44 (Mentoring Ph.D candidate student).
39. Min M, Wang L. Li Y, Michael M, Hu B, **Zhou, W.G.**, Chen P, and R. Ruan. 2011. Cultivating *Chlorella* sp. in a Pilot-Scale Photobioreactor Using Concentrate Wastewater for Microalgae Biomass Production and Wastewater Nutrient Removal. *Appl. Biochem. Biotechnol.* 165 (1):123-37.
40. Y Li, XD Zhang, L Sun, M Xu, **WG Zhou**, XH Liang. Solid superacid catalyzed fatty acid methyl esters production from acid oil.2010. *Appl Energy.* 87: 2369-2373.
41. Y Cheng, **WG Zhou**, CF Gao, Y Gao, QY Wu. Biodiesel production from Jerusalem artichoke (*Helianthus Tuberosus L.*) tuber by heterotrophic microalgae *Chlorella protothecoides*.2008. *J. Chem. Technol. Biotechnol.* 84(5): 777-78.
42. **Zhou W.G.**, QY Wu. Biodiesel from Microalgae-tomorrow transport fuels. Asia-Oceania Biology Student Network Conference (AsOBiNet). 2008. *University of Tsukuba Press*, Japan. pp. 51-54.
43. **Zhou, W.G.**, GF Liu, SN Zhou. 2007. Quorum sensing negatively regulate Type III Secretion System in *Aeromonas hydrophila*. *Pro. Biochem. Biophys.* 34(6): 647~652.
44. Li Y, **W G Zhou**, XD Zhang, L Sun. Effect of microalgae culture on treatment of wastewater from anaerobic digested swine manure. *Transactions of CSAE.* 2001, 27(Supp.1): 101-104. (Chinese with English abstract).
45. Li Y, **W G Zhou**, XD Zhang, L Sun. Comprehensive development and applications of microalgae. Shandong Science. 2010. 23(4):84-87. (Chinese with English abstract).

### (Book Chapter)

- Zhou W.G. Potential Applications of Microalgae in Wastewater Treatments OMICS Group International – eBooks ( In press )  
<http://esciencecentral.org/ebooks/recent-advances-in-microalgal-biotechnology/potential-applications-of-microalgae-in-wastewater-treatments.php>

### Patents

- Ruan R, **Zhou, W.**, Hu B., J. Zhang. 2012. MICROALGAE CULTURE AND HARVEST. **WO 2013/055887 A1.**
- Hu B, **Zhou W**, Zhang JB, Ruan R. 2013. NEW METHOD TO HARVEST MICROALGAE VIA CELL PELLETIZATION ASSISTED WITH FILAMENTOUS FUNGI. US APPLICATION NO. **61/547,177.**
- Wu QY, **WG Zhou**, W Xiong. 2009. METHOD FOR PRODUCING BIODIESEL USING HIGH-CELL-DENSITY CULTIVATION OF MICROALGA *CHLORELLA*

*PROTOTHECOIDES* IN BIOREACTOR. **US2009/0211150 A1.**

- Ruan R, **Zhou, W.**, Hu B., J. Zhang. 2014. OXYGEN-EVOLVING ALGAE FILTER-BASED AIR PURIFIER DESIGN. US patent. (Pending).
- Ruan, R., **Zhou, W.G.**, Cheng Y.L., Li Y., Liu Y.H. One fungi-assisted microalgae harvesting method. CN102391953 A. (Chinese Patent).
- Ruan, R., **Zhou, W.G.**, Cheng Y.L., Li Y., Liu Y.H. Fungi-assisted microalgal cells immobilization for wastewater treatment. CN102442726 A (Chinese Patent).
- **Zhou, W.G.**, Li, Yan., Zhang, XD. Method of algae cultivation. CN101921811 (Chinese Patent).
- Wu, QY, **Zhou, W.G.**, Xiong W. Method of high-cell-density cultivation of microalgae for biodiesel production. CN101230364 (Chinese Patent).
- **Zhou, W.G.**, Zhang, YK., Zhou, Y. Method of photosynthetic microalgae-based oxygen evolved for replacing traditional wastewater aeration system. CN105060463 (Chinese Patent).
- **Zhou, W.G.**, Ruan, RS., Wang, JH., Li j. Method of trophic mode conversion of microalgae for high ammonium treatment. CN 105712390 A (Chinese Patent).
- **Zhou, W.G.**, Ruan, RS., Wang, JH., Li j. Method of nitrogen deprivation conversion of microalgae for high ammonium removal. CN 105858894 A (Chinese Patent).

## **Selected Recent Oral Presentation**

- The 4<sup>th</sup> Asia-Oceania Algae Innovation Summit, Wuhan, China, Sep 18-21, 2016. Oral presentation entitled “Trophic Mode and Nitrogen sufficiency Conversion of Microalgae for High Ammonium Removal from N-rich wastewater”  
<http://www.aoais2016.org/dct/page/1>
- The 4<sup>th</sup> Environment-Enhancing Energy Conference, Beijing, China, July 5-7, 2016. Oral presentation entitled “Innovative Algae-to-Waste Technologies for fuels and chemicals”  
[http://news.cau.edu.cn/art/2016/7/12/art\\_8769\\_457406.html](http://news.cau.edu.cn/art/2016/7/12/art_8769_457406.html)
- The 1<sup>st</sup> ASABE Climate change Symposium: Adaptation and Mitigation. May 3-5. Chicago, Illinois, USA. 2015. Oral presentation entitled “High ammonium uptake, assimilation and remobilization in algal trophic conversion”  
<http://www.asabe.org/meetings-events/2015/05/asabe-1st-climate-change-symposium-adaptation-and-mitigation.aspx>
- The 4th International Conference on Algal Biomass, Biofuels and Bioproducts, June 15-18, Santa Fe, New Mexico, USA. 2014. Oral presentation entitled “**Environment-enhancing Algal Biofuel and Value-added Chemicals Production Using Wastewaters**”, <http://www.algalbbb.com/conference-program.html>
- 2014 ASABE Intersection Meeting, March 28-29, Brookings, South Dakota, USA. 2014.

Oral presentation entitled “**Oil Crop Biomass Residues-based Medium for Enhanced Algal Lipid and protein Production**”, <http://www.sdstate.edu/abe/2014-asabe-intersectional-meeting.cfm>

- The 7th annual algal biomass summit, September 30-October 3, Orlando, FL, USA. 2013. Oral presentation entitled “**Innovative Waste-to-Algae Technologies for Sustainable and Environment-enhancing Biofuel and Biobased Byproduct Production**”. [http://algaebiomasssummit.org/ema/DisplayPage.aspx?pageId=Program\\_Track\\_Panels](http://algaebiomasssummit.org/ema/DisplayPage.aspx?pageId=Program_Track_Panels)
- The 3rd International Conference on Algal Biomass, Biofuels and Bioproducts, June 16-19, Toronto, Ontario, Canada. 2013. Oral presentation entitled “**Sustainable and Environment-enhancing Biofuel and Co-product Production Using Wastewaters**”, <http://www.algalbbb.com/conference-programme.html>
- The 35th Symposium on Biotechnology for Fuels and Chemicals, April 29- May 2, Hilton Potland, Potland, OR, USA. 2013. Oral presentation entitled “**Potential of sustainable algal biofuel and bioproducts production using wastewaters**”, <http://sim.confex.com/sim/35th/webprogrampreliminary/Session2132.html>
- East Lake International Forum on Frontiers of Science and Technology for Outstanding Overseas Young Scholars (Oct 6-8, Huazhong University of Science and Technology, Wu Han, China. 2012). Invited to deliver the oral presentation entitled “**innovative wastewater-to-algae technologies for producing environment-enhancing bioenergy and biobased products**” [http://202.114.18.186:8888/member/contribute\\_forumregister.aspx](http://202.114.18.186:8888/member/contribute_forumregister.aspx)
- The 2nd International Conference on Algal Biomass, Biofuels and Bioproducts (June 10-13, San Diego, California, USA. 2012). Invited as **keynote speaker** for Oral presentation entitled “**Novel fungal assisted bioflocculation technique for microalgae harvesting and its application**”, <http://www.algalbbb.com/conference-programme.html>
- The 2012 Sino-US Symposium on Eco-agriculture and Biomass Energy Industry (June 16- June 9, Saint Paul, Minnesota, USA. 2012). Oral presentation entitled “Wastewater Algae Screening, Acclimation, and Culture” <http://biorefining.cfans.umn.edu/>
- The 34th Symposium on Biotechnology for Fuels and Chemicals (April 30- May 3, New Orleans, 2012). Oral presentation entitled “**A Hetero-photoautotrophic Two-stage Cultivation Model to improve Wastewater Nutrient Removal and Enhance Algal Lipid Accumulation for Low Cost Biofuel Feedstock Production**”, <http://sim.confex.com/sim/34th/webprogrampreliminary/Session2132.html>
- The 5th annual algal biomass summit (October 24-27, Minneapolis, MN, USA. 2011).

Oral presentation entitled” **An Integrated Swine Wastewater Algal Platform for Biofuels and Animal Feeds**”,

[http://algaebiomasssummit.org/ema/DisplayPage.aspx?pageId=2011\\_Agenda](http://algaebiomasssummit.org/ema/DisplayPage.aspx?pageId=2011_Agenda)

- The 4th Congress for the international Society for Applied Psychology (June 19-24, Halifax, Canada. 2011). Oral presentation entitled ”**Mass Culture of Algae for Biofuel Production and Wastewater Treatment in Northern Climates**”,  
<http://www.appliedpsychology.org/congresses.lasso>
- The 1st International Conference on Algal Biomass, Biofuels and Bioproducts (July 17-20, St. Louis, Missouri, USA. 2011). Oral presentation entitled “**Local bioprospecting for high-lipid producing microalgal strains to be grown on concentrated municipal wastewater for biofuel production**”,  
<http://www.algalbbb.com/conference-history.html>
- International biomass conference & Expo (May 2-5, St. Louis, Missouri, USA. 2011)  
Oral presentation entitled “**Mass Cultivation of Algae on Wastewaters for Fuels and Products**”,  
[http://www.biomassconference.com/ema/DisplayPage.aspx?pageId=2011\\_Agenda](http://www.biomassconference.com/ema/DisplayPage.aspx?pageId=2011_Agenda)
- UI/ISU/UM Postdoctoral Research Day, 9 May 2011, Iowa State University, Ames, IA, USA. Oral presentation entitled “**Microalgae for biofuel grown on wastewaters: Strain Selection, Acclimation and Pilot-Scale Cultivation in a Low-Cost Photobioreactor**”

## **Synergistic Activities**

- Executive Editor-in-Chief of journal: *Algal Biomass and Bio-economy*
- Editorial board members of journal: *algal research*
- Editorial board members of journal: *Journal of Earth Sciences*
- Guest Editor-in-Chief of Journal: *BioMed Research International*
- Invited as abstract reviewer of 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> Algal Biomass Summit to select high-quality papers for oral presentation organized by Algal Biomass Organization.
- Teaching the following graduate curriculum at University of Minnesota: Renewable energy technologies, Biological processing engineering, Managing water in food and biological systems, Instrumentation and control for biological systems, and Engineering principles and applications and so on.
- Served as a reviewer for peer-reviewed journals such as *Algal Research, Environment Science & Technology, Water Research, Environment Technology, Renewable energy, Fuel, PLOS ONE, Bioresource Technology, Future Science, Journal of biotechnology, Biotechnology and bioengineering, Journal of Applied Psychology, Applied Energy, Applied Biochemistry and Biotechnology, Journal of Chemical Technology and Biotechnology, Engineering in Life Science*, etc.