

Emulsion Polymers and Functional Materials Group

Research Interests

Emulsion polymerization and emulsion polymers

Functional polymer microspheres

Biomedical materials

High performance polymer

Environment-friendly coatings and adhesives

Group Members



Zu-shun Xu Professor, group leader

zushunxu@hubu.edu.cn



Zheng-guo Chen Professor

ZGCHEN@public.wh.hb.cn



Chang-feng Yi professor

changfengyi63@yahoo.com.cn



Ting-ting Yang Associate professor

tingting.yang@hubu.edu.cn



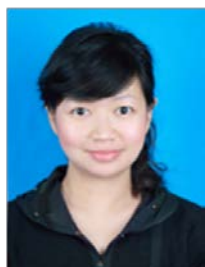
Quan-yuan Zhang Associate professor

qy Zhang142918@hotmail.com



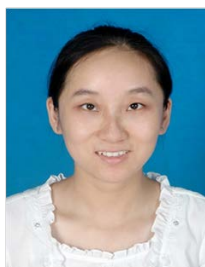
Qing Gao Associate professor

gaoqing1969@126.com



Wei Yan Associate professor

willieyancn2003@foxmail.com



Li Yao Lecturer

40403206@qq.com



Prof. Zu-shun Xu is the “Qinyuan Scholars” Distinguished Professor of Hubei University, special allowance specialist of Hubei provincial government and the cross-century academic leaders in Hubei Province. He was obtained his M.S. from the Department of Chemistry, Hubei University in 1990 and then he joined the Department of Chemistry, Hubei University as a faculty. In 1998, he received his Ph.D. in polymer chemistry and physics from the Department of Polymer, Zhejiang University. He was then a postdoctoral researcher at the School of Chemistry and Chemical Engineering of South China University of Technology from 1998-2000 and worked as a postdoctor at the Department of Chemistry, Oklahoma State University, USA from 2000-2002. He returned to the Department of Chemistry and Materials Science, Hubei University in 2002, as a professor. His research interests include emulsion polymerization and emulsion polymers, functional polymers, block and graft copolymers, hyperbranched polymers and dendrimers, fluorosilicone polymers, functional nanospheres, coatings and adhesives. In recent years, Prof. Xu has lead a number of national, provincial and ministerial research programs. He has authored more than 300 peer reviewed papers, 2 books and 14 authorized patents. And he obtained several provincial and ministerial scientific and technological awards. Prof. Xu developed more than 10 new products and has been transferred to several enterprises for production, and achieved good economic and social benefits.



Prof. Zheng-guo Chen is an expert who enjoys special government allowance from the State Council (2012), a candidate of National Million and Ten Million Talent Project (1997) and a member of the Cross-Century 111 Talents Project of Hubei Province. Prof. Chen obtained his M.S. in polymer chemistry and physics from Wuhan University in 1985, then he joined Hubei University as a faculty. He was devoted to the research and teaching of polymer chemistry and physics and polymer materials, he has lead or participated in 16 programs, including the Science Foundation of the Chinese Academy of Sciences, National Programs for Science and Technology Development during the 7th Five-Year Plan Period, key

science and technology projects and natural science foundation programs from the Ministry of Chemical Industry; Hubei Province and Wuhan City. Prof. Chen won one third prize of the National Science and Technology Progress Award, one third prize of Natural Science Award of the the Ministry of Chemical Industry, one first prize, two second prizes and three third prizes of Hubei Science and Technology Progress Award. He has also authored over 60 published papers and 1 book.



Prof. Chang-feng Yi received her bachelor of science in chemistry from the Department of Chemistry, Hubei University in 1986 and her M.S. in materials science from the Department of Chemistry and Materials Science, Hubei University in 1997. Her research interests include microwave radiation polymerization, emulsion polymerization, functional polymers, hyperbranched polymers, adhesives and coatings. She has lead or participated in various projects, including the natural science foundation programs and key projects from the Ministry of education, Science and Technology Department of Hubei Province, Hubei Provincial Department of Education and Wuhan Science and Technology Bureau. She has authored over 70 papers and 2 books. Prof. Yi has several achievements applied to production and achieved good economic and social benefits.



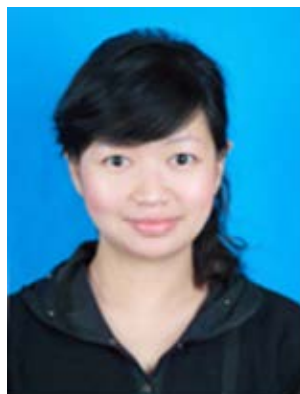
Associate Prof. Ting-ting Yang received her B.S. in Chem-Biology from Hubei University and Ph.D degree in materials science from Hubei University in March 2007. After her graduation, she joined Faculty of Materials Science & Engineering of Hubei University. And she joined as a Visiting Academic into Prof. Andrew Whittaker group in University of Queensland for half years. Her current research interests include design, synthesis, and functionalization of fluorine-based polymers and inparticular are focusing on precisely synthesis of porous hollow silica materials with different molecular chemical structures, geometry and architectures.



Associate Prof. Quan-yuan Zhang received his Ph.D. in organic chemistry from Changchun Institute of Applied Chemistry, Chinese Academy of Sciences in 2009. He then worked as a research fellow at the School of Chemical and Biomedical Engineering of Nanyang Technological University, Singapore from 2009-2011 and a postdoctoral research fellow at the Department of Chemistry, Georgia Southern University, USA from 2011-2012. In 2013, he joined the School of Materials Science and Engineering, Hubei University as a “Chutian Talent” of Chutian Scholars Program of Hubei Province. Currently Dr. Zhang mainly focus on hydrogel functional materials, high refractive hydrogels for artificial corneal implants, high performance polymers for gas separation and self-cleaning waterborne coatings, etc. He has lead or participated in several programs of NSFC and some projects from the Science and Technology Department of Hubei Province and Hubei Provincial Department of Education. He has authored and co-authored over 30 peer-reviewed academic articles.



Associate Prof. Qing Gao received his Ph.D. in materials science from Wuhan University of Science and Technology in 2007. His research interests include reverse phase emulsion polymerization of water-soluble polymers, amphoteric polyacrylamide high efficiency water treatment agents, concrete water reducing agents and fracturing thickeners in oil field. He has lead 2 programs of National High-tech R&D Program of China (863 Program). And he has authored/co-authored more than 10 peer-reviewed publications.



Associate Prof. Wei Yan Joined the School of Materials Science and Engineering, Hubei University in 2008. She received her Ph. D. in materials science from Hubei University in 2012. From 2012-2015, she was a postdoctor in Huazhong University of Science and Technology and she then joined University of Liverpool as a visiting scholar for half years. Dr. Yan has lead or participated more than ten programs, including the natural science foundation programs from

Science and Technology Department of Hubei Province and Hubei Provincial Department of Education, and the key support projects of Ministry of Science and Technology. Her current research interest are polymer carriers and tracers from thioether terminated polymer ligands, long effect and slow controlled release of natural polymer drug delivery systems, functional polymer microspheres and their effects on biomolecules. She has published over 20 SCI papers in Green Chem., J. Mater. Chem. B, Colloids and Surfaces B-Biointerfaces and J. Magn. Magn. Mater., etc.



Dr. Li Yao obtained her B.E. in 2004 and M.S. in polymer materials and engineering from the Department of Chemistry and Materials Science, Hubei University in 2007. Then she awarded her Ph.D. in polymer chemistry and physics from Sun Yat-sen University in 2011. She joined in Hubei University in 2012 and her research interests include polymer composites and self-healing materials, etc. She has published more than 10 research papers in China and abroad. And she has joined several projects of National Natural Science Foundation of China (NSFC), and currently undertaken one project of NSFC.