

# Preface

The 4th International Conference on Chemical Engineering and Advanced Materials (CEAM 2014) was successfully taken place in Shenzhen, China, on August 9–10, 2014. The objective of the 2014 International Conference on Chemical Engineering and Advanced Materials (CEAM 2014) is to provide a forum for the discussion of new developments, recent progress, and innovations in the chemical engineering and advanced materials. It addresses all aspects of these fields. The emphasis is on current and future challenges in research and development in both academia and industry. It emphasizes long-term, fundamental research aimed at discovering novel phenomena, processes, and tools.

All those contributions have been peer reviewed through processes administered by the scientific committee. Reviews were conducted by the expert referees of international and domestic of China before accepted for publication. This book covers the subject areas of Fine Chemicals and Specialty Chemicals, Catalysts and Catalytic Reaction, Energy Chemical Engineering and New Energy Development, Biological Chemical, Chemical Pharmaceutical, Chemical Biology and Medicinal Chemistry, Waste Treatment, Clean Production, Environmental Chemicals and Environmental Protection, Chemical Instrumentation, Measurement and Testing Technology, Theoretical and Computational Chemistry, Analytical Chemistry and Environmental Chemistry, Food Chemistry and Food Engineering, Metal Materials, Composites, Polymer Materials, Micro/Nano Materials, Optical/Electronic/Magnetic Materials, New Functional Materials, Materials Processing Technologies, Machinery and Equipment Design, Manufacturing, Applications, and Fault Detection, Computer Applications and Mathematical Modeling, Engineering Education, etc.

We are grateful to all authors for submissions to this conference and for sharing the information and experience they've acquired. We are very delighted to welcome you to next conference. Enjoy the high quality technical program and the beauty of the local region.

*The Committee of CEAM 2014*

The 4th International Conference on  
Chemical Engineering and Advanced Materials  
(CEAM 2014)

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