

Words from Editor- in-Chief



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Advances in Climate Change Research (ACCR) is supervised by the National Climate Commission of China (NCCC), compiled by National Climate Center, China Meteorological Administration (CMA), and published by China Meteorological Press in Beijing. The ACCR is a unique academic journal covering the studies on spanning the social and natural sciences in the field of climate change research in China. Its aims are to promote the progress of climate change research and the application of the achievements in many aspects such as socio-economic sustainable development, countermeasures of the adaptation and mitigation of climate change, the diplomatic negotiation on climate and environment issues, the protection and exploitation of natural resources, etc. It provides the latest achievements of interdisciplinary research and the important information of domestic and international activities on climate change for those engaged in the climate change sciences, environmental sciences and social sciences; policy makers and managers in government departments, those organizations that are affected by or concerned with climate change strategies.

The ACCR began in 2005, and publishes high-quality original theoretical and applied research and review articles across the entire field of climate change and issues relevant to the understanding of climate change, its potential impacts and options for adaptation and mitigation.

The ACCR invites high-quality research articles, notes, reviews concerned with: interactions of climate change with ecosystems and human societies; long-term changes in climatic elements such as humidity, precipitation, temperature, solar radiation and greenhouse gases; human's response to climate change; government's management and control on climate change; climate impacts on biodiversity; historical case studies; analyses of extreme climate events and climatic hazards; land-surface climatology; assessment and implementation of adaptation and mitigation options. Applied research includes climate change impacts on agriculture, forestry, fishery and aquaculture; urbanization and economic development; environmental protection and human wellbeing.

Climate change research is one of the rapidest progress fields in the earth system science. Its scientific aims are to reveal the regularity and mechanism of climate change, to project the potential change in the future, to evaluate the impacts of climate change on ecosystem, economy and the development of society, and to provide scientific basis for making the policies of the adaptation and mitigation of climate change. Since the 1980s, Chinese scientists have conducted a lot of studies and obtained valuable achievements on climate change and its impacts, vulnerability and adaptation. Based on these, China has developed the scientific assessment of climate change, and strengthened international cooperation and communication through taking active part in related activities such as IPCC activities, and made an important contribution to the impetus of global climate change research. At present, it is urgent to study climate change and its impacts on natural ecosystem and sectors of nationwide economy, and to analyze the cost-benefit, then put forward strategies and measures of the adaptation to and mitigation of climate change.

Global climate change is an important global issue and concerned widely by international community. Global warming has been affecting the natural ecosystem and socio-economic sectors in many areas worldwide, including water resources, agriculture, land ecosystem, coastal zone, offshore ecosystem, etc., which are closely related to many fields of human society such as production, consumption, life style, etc. Climate change is not only a scientific problem but also an ecological, social, political and even diplomatic issue. China is a developing country that is vulnerable to the climate change, and will be faced with the pressures both from reducing greenhouse gases emissions and from developing economy. It is a very important issue to study how to resolve the conflicts between developing economy and protecting limited natural resources and controlling increasing population.

The ACCR seeks to provide a forum for the communication of research, analysis, review and discussion concerning any issues related to climate change.

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