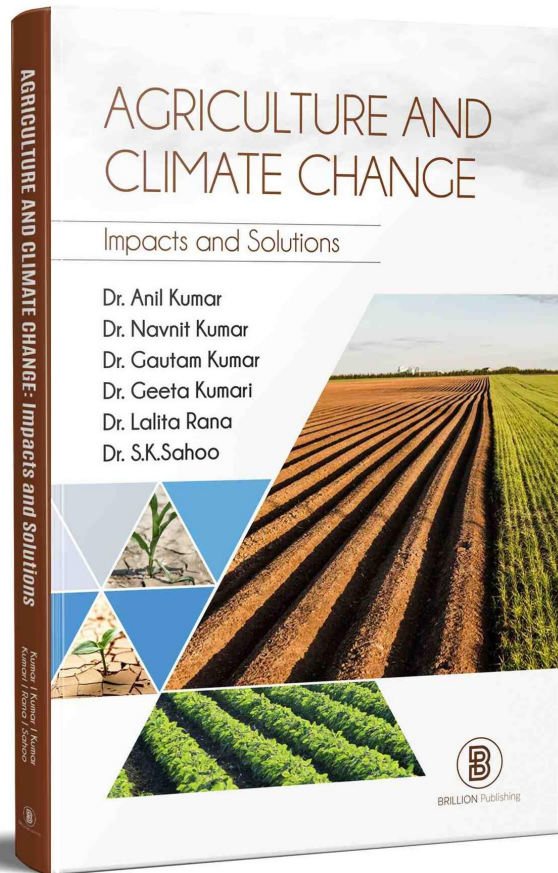




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AGRICULTURE AND CLIMATE CHANGE

Impacts and Solutions

In this book, we have covered all aspects related to agriculture and allied activities such as animal husbandry, fisheries, agro forestry and horticulture, etc. under changing climate regimes. Agriculture and allied activities is highly dependent on climate. The increased level of CO₂ and temperature in the ecosystem could pose challenges to farmers and threatens food grain productivity and food security. Changing climate could render the outbreak of weeds, new pathotypes and insect pests in agricultural fields. Water balance and productivity may also be reduced which will affect the agriculture sustainability due to lack of water availability or surplus water (floods). A large number of experts from India and Abroad emphasizes the facts, causes and solutions in climate change and global warming but very few in agriculture sectors and efforts has been made for covering implications on agriculture and solutions for mitigating stress arising from climate change in agriculture sector and it will be helpful in gaining visibility in research and development in agricultural field. This book is helpful for all category of readers, especially those who engaged in agriculture sector either academic and research.

**Dr. Anil Kumar • Dr. Navnit Kumar • Dr. Gautam Kumar
Dr. Geeta Kumari • Dr. Lalita Rana • Dr. S.K.Sahoo**

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