

Special Issue

Climate Change and Migration: Navigating Intersecting Crises

Message from the Guest Editor

Climate-induced migration is an increasingly urgent issue, highlighting the profound impact of climate change on human mobility and societal structures. Although often imperceptible in the short term, climate change can be seen in statistical trends, such as the rise in global temperature of around one degree over the past 150 years. The frequency and intensity of extreme weather events, including hurricanes and prolonged droughts, have increased sharply, with the number of natural disasters doubling in the last two decades. These phenomena have triggered population movements, highlighting the interplay between climate and mobility. Climate-induced migration can be broadly categorised into three processes: voluntary or semi-voluntary migration, forced displacement and planned resettlement. Despite its growing importance, this type of migration is often sidelined in public discourse and omitted from many climate policy agendas. The increasing frequency of climate-related disasters and the resulting migration patterns raise critical questions about societal attitudes towards these new migrants.

Guest Editor

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Addressing scientific advancements and technological processes responding to societal needs are the new frontiers that humankind needs to face and cope with. Discovery and advances in basic research, synthetic biology, biochemistry, material science and biosystems engineering, are providing cutting edge progress and solutions. Scientists from multidiscipline fields are invited to discuss challenging science and research, and technology innovations in *Challenges* aimed towards solving current problematic issues.

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