

Risk Analysis

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Call for Papers – *Risk Analysis*:

Special Issue on “Equity and Justice in Risk Analysis”

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Background and Focus:

The Covid-19 pandemic, increased reporting of police violence, weather-related disasters such as major floods, and other events have contributed to a growing awareness of persistent inequities in how risks are distributed across societies. The field of risk analysis has potential to make major contributions to understanding the sources and consequences of these inequities. However, there are multiple methodological and practical challenges to assessing, characterizing, and communicating the effects of inequitable risk distribution. Challenges include lack of trust of risk analysts, difficulties in characterizing the full range of potential risk exposure, methodological limitations in quantifying the cumulative impacts from exposure to multiple risk factors, difficulties in accounting for intergenerational effects, and potential resistance to receiving messages about inequitable risk distribution among audiences with the power and authority to effect change.

This special issue seeks submissions that report cutting-edge research on the rich possibilities of harnessing the tools of risk analysis toward the identification and mitigation of inequitable exposure to risk. We also welcome perspective papers discussing the scope of inequity in risk, knowledge gaps in understanding, and implications for policy.

Key areas of focus include but are not limited to:

- Methods (including cumulative risk assessment) for incorporating equity considerations into risk assessment
- Adaptation of dose-response assessment procedures to account for cumulative effects of exposure to multiple risk factors
- Methods for quantifying costs of inequitable exposure to risks
- Consideration of equity in benefit-cost analysis for regulatory decision-making

- Impacts of structural inequities on risks from natural disasters
- Impacts of structural inequities on community resilience in the face of environmental changes
- Impacts of structural inequities on working communities
- Security and cybersecurity inequities
- Intergenerational effects of inequitable exposure to risk
- Trust in the risk analysis process in communities facing inequitable risk exposure
- Community-engaged risk analysis
- Communication of risk inequities
- Perceptions of inequity in risk

Paper Submission:

Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. Authors are responsible for understanding and adhering to the submission guidelines, which could be accessed at: <http://sra.org/sra-journal>, or <http://manuscriptcentral.com/riskanalysis>. Each paper will go through a rigorous review process. The authors are strongly recommended to contact the guest editors before submitting their manuscript. Please mention the special issue on "Equity and Justice in Risk Analysis" on the cover letter during the submission process.

Important Dates:

- Submission Deadline: January 15, 2023
- First-Round Reviews (target): April 14, 2023
- Special Issue Published: TBD