

MODELING FOR COVID-19 DECISION MAKING IN HEALTH POLICY EVALUATION

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DESCRIPTION

The Indo-US conference on "*The Science of Mathematical Modeling, and Decision-Making: A Changing Trajectory into The Future, from Past to Post COVID-19 Pandemic*" will be held virtually from October 28th-30th, 2021, at Department of Mathematics and Computer Science, Sri Sathya Sai Institute of Higher Learning, India. The focus of the conference is to discuss the challenges and opportunities in mathematical modeling moving forward post COVID-19 pandemic. The participants will get to know how the science of mathematical modeling and decision-making process has been transformed due to unprecedented COVID-19 crisis from pedagogical changes and science communications to novel mathematical methods and professional opportunities. Based on talks to be presented in this conference, a special issue entitled "Modeling for COVID-19 Decision Making in Health Policy Evaluation" will be published in the journal *Computational and Mathematical Biophysics* (CMB). This special issue will also focus on the recent development of computational and data science modelling techniques with reference to COVID-19 pandemic.

Indexed in SCOPUS and MathSciNet, CMB (<https://www.degruyter.com/cmb>) is the formal continuation of *Molecular Based Mathematical Biology*, published by De Gruyter. The mission of CMB is to publish the highest quality work that promotes the development of theoretical formulations, mathematical models, numerical algorithms, and computational techniques for biosciences and biophysics.

Original papers and high-quality review articles are solicited from participants of the Indo-US conference. Moreover, submissions of contributions are also welcome from researchers in the field who will not personally attend the conference, on topics otherwise close to the special issue themes. Potential topics include, but are not limited to:

- ▶ Novel epidemic modeling and analysis
- ▶ Advances in modeling of in-host infection dynamics and immunology
- ▶ Health economics and evaluation of interventions
- ▶ Challenges associated with projections and preparedness
- ▶ Transformations in pedagogical techniques in modeling
- ▶ Trends in infectious diseases dynamics related professional opportunities

HOW TO SUBMIT

Before submission authors should carefully read over the author guidelines, which are located at <https://www.degruyter.com/cmb>. All manuscripts are subject to the standard peer review process before publication. The authors are encouraged to pay an Article Processing Charge (APC) after the acceptance of a manuscript, but the APC is **not mandatory** for open-access. For this special issue, we are offering full waivers or discounts for authors with limited access to funds. Prospective authors should submit their manuscript online at <https://www.editorialmanager.com/mlbmb>, and select the Article Type as this special issue.

IMPORTANT DATES

- ▶ Potential manuscript submission due date: **January 31st, 2022**
- ▶ Anticipated publication date of special issue: **April 30th, 2022**