



International History,
Philosophy, and
Science Teaching Group

**First IHPST Group webinar 2021 Towards a Research Agenda in Nature of
Science for Social Justice**

Organisers:



Lena Hansson,
University Kristianstad, Sweden



Hagop A. Yacoubian
Lebanese American University, Lebanon

Abstract: The purpose of this webinar is to explore a possible research agenda in the area of “Nature of Science for Social Justice” (NOS for SJ). It draws upon a recently edited volume (Yacoubian & Hansson 2020) as its starting point and engages the participants and the audience in considering possibilities of future research directions and collaborations. In the volume, 20 science education scholars initiated a research-based dialogue on what NOS for SJ can mean and what should characterise NOS teaching contributing to the educational aim of SJ. The authors of the different chapters had different perspectives and frameworks as their starting point as they contributed to answering the following questions: *Why should school science aimed at SJ address NOS? What NOS-related content, skills and attitudes form the basis when aiming at SJ?, and How can school science address NOS for SJ?* The dialogue did not converge into clear-cut conclusions. Further research contributing to answering these questions – why, what and how, is essential for building a research base for the teaching of NOS for SJ. This webinar takes the volume as its point of departure and engages the panelists and the audience in considering possibilities of future research directions. Our objective is to propel new collaborative research projects that can contribute to further refining the construct “NOS for SJ” and exploring different ways in which NOS can be addressed in the science classroom when prioritising SJ as the overall aim of education.

Format: In the first part of the webinar, the organizers and the panelists (some of the authors of chapters in the book) describe their views on the present state of research and contribute their ideas of important issues to scrutinize in future research. In the second part of the webinar the audience is invited to raise issues and contribute to the discussion.

Panelists: Douglas Allchin, Lucy Avraamidou, Jesse Bazzul, Larry Bencze, Zoubeida Dagher, Sibel Erduran, Andreia Guerra, Lena Hansson, Ebru Kaya, Lotta Leden, Cristiano Moura, Hagop Yacoubian

Registration link: https://us02web.zoom.us/webinar/register/WN_I85czFOYRdS4ajJ1h5Cvsw

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IHPST International History, Philosophy, and Science Teaching Group

IHPST Group webinar 2021

Importance of Research on History, Philosophy and Sociology of Science in Science Education: Reflections from the Editor-in-Chief of Science & Education

May 7th 2 p.m. – 3:30 p.m GMT



Sibel Erduran,

University of Oxford, United Kingdom

Abstract: The session will provide an overview to *Science & Education* journal, the official journal of IHPST, published by Springer. It will also provide reflections from the current Editor-in-Chief about the policies and procedures of the journal. Furthermore, examples from research in recent issues of the journal will be highlighted to illustrate the significance of research on history, philosophy and sociology (HPS) of science in science education. HPS have much to contribute to science education as evidenced by the content of *Science & Education* since the inception of the journal in 1992. Numerous scholars from science education, history of science, philosophy of science, sociology of science, cognitive science and other fields have contributed to *Science & Education* over the years and have enriched our understanding of the concepts and processes of science in the context of education. Despite such contributions, challenges remain about how HPS may impact not only research but also policy and practice of science education. The session will provide an opportunity to engage in discussions about how to envisage new directions for research on HPS in science education.

Format: Sibel Erduran will talk as Editor-in-Chief of *Science & Education* about the research on History, Philosophy, and Sociology of Science in Science Education. After the talk, the webinar will be opened to the audience to leave comments and pose questions.

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