



WINNERS OF THE 2020 IUPAC-SOLVAY INTERNATIONAL AWARD FOR YOUNG CHEMISTS

31 March 2020

The International Union of Pure and Applied Chemistry and Solvay announce the winners of the 2020 IUPAC-Solvay International Award for Young Chemists, presented for the best Ph.D. theses in the chemical sciences, as described in 1000-word essays.

The five winners are:

- [Muhammad Jbara](#) (Israel), Ph.D., Technion Israel Institute of Technology
- [Hung VanThanh Nguyen](#) (Vietnam), Ph.D., Massachusetts Institute of Technology
- [Ron Shah](#) (Canada), Ph.D., University of Ottawa
- Namrata Singh (India), Ph.D., Indian Institute of Science
- [Qi Zhang](#) (China), Ph.D., East China University of Science and Technology

The winners will each receive a cash prize of USD 1000 and travel expenses to the [48th IUPAC World Chemistry Congress](#), 13-20 August 2021, in Montréal, Canada. Each winner will also be invited to present a poster at the IUPAC Congress describing his/her award-winning work and to submit a short critical review on aspects of his/her research topic, to be published in *Pure and Applied Chemistry*. The awards will be presented to the winners of the 2020 and 2021 competitions during the Opening Ceremony of the Congress.

The titles of the winners' theses are:

Dr. Muhammad Jbara: "Chemical Protein Synthesis of Modified Histone Proteins for Biochemical Studies"

Dr. Hung VanThanh Nguyen: "Bottlebrush and Related Polymer Architectures for Biomedical Applications"

Dr. Ron Shah: "Autoxidation and Its Inhibition In Both Industrial and Biological Contexts: New Molecules, Methods & Mechanisms"

Dr. Namrata Singh: "Development of Nanomaterials as Antioxidant Enzyme Mimetics for Cellular Redox Homeostasis"

Dr. Qi Zhang: "Controlled Self-Assembly of Nanoparticles Enabled by Macrocyclic Host-Guest Chemistry and Their Functional Exploitation"