



**Dear Readers,**

<https://doi.org/10.51167/ice000014>

Welcome to the ninth issue of the Israel Chemist and Engineer (ICE) online magazine, a publication of the Israel Chemical Society (ICS). We hope you will find the magazine interesting and will be inspired to contribute to future issues.

We start with Hagit Aviv, Vinayaka Harshothama Damle and Yaakov Tischler of Bar-Ilan University who contribute an article on their latest research on low-frequency Raman spectroscopy as a versatile technique for material characterization and detection.

Amnon Bar-Shir of the Weizmann Institute (recipient of the 2021 ICS outstanding young scientist prize) contributes a fascinating review of his work on novel molecular architectures for “multicolor” magnetic resonance imaging.

Bob Weintraub continues to inform us about the history of science, this time with a timely article on “César Milstein (1927-2002) and monoclonal antibodies: Father of modern immunology.”

Arie Gillon, the founder of Bargal Analytical Instruments, presents a fascinating scientific detective story in which he uses his analytical skills to investigate the origin of a chess set that has been in his family for many years.

I had the pleasure of interviewing Leeor Kronik of the Hebrew University for this issue of the ICE. Leeor is a recipient of the 2021 ICS outstanding scientist prize. His call to educate young scientists in ethical standards is of particular importance.

Prof. Shimon Vega OBM of the Weizmann Institute passed away in 2021. Some of his students and postdocs got together to share their recollections of the time spent in his group and the lasting impression he made on them. The collection was edited by Gil Goobes of Bar-Ilan University and Amir Goldbourt of Tel Aviv University. After the recollections of Shimon’s students and postdocs, Yona Siderer, a specialist in the history of science at the Hebrew University, contributes her own appreciation of Shimon’s friendship and hospitality.

Mindy Levine of Ariel University, the recipient of the ACS award for encouraging women into careers in the chemical sciences, sponsored by the Camille and Henry Dreyfus Foundation, contributes an article based on her talk at the ACS symposium celebrating her award, “Agency, advocacy, and attention: A tale of encouraging women into careers in the chemical sciences.”

If you have suggestions for future editions, comments on the current issue, or would like to contribute an article, please contact me at [gordon@biu.ac.il](mailto:gordon@biu.ac.il).

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