

Curriculum vitae - Ayshi Sindiani- Bsoul

Personal Information:

Country of birth: Israel

Address: Agmon 15/ Apartment 1 Nof- HaGalil (former Nazareth Elite)

Date of birth: 04/08/1990

Marital status: Married+2

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Education:

2009-2013- B.Ed. (Honors) Teaching Biology-Chemistry, The Arab Academic College of Education in Israel.

2016-2018- M.Ed. (Honors) (non-thesis track), Science Education Material Sciences - Chemistry Physics, The Arab Academic College of Education in Israel. Final project title: The level of awareness in green chemistry and sustainability among in-service and pre-service science teachers.

2020-2023 – M.Sc., Department of Science Teaching, Weizmann Institute of Science: Data-based argumentation in the context of the Sustainable Development goals.

February 2023 – Submission of PhD proposal (direct track), Department of Science Teaching, Weizmann Institute of Science.

Work Experience:

2011: Science instructor in the Young Initiatives project. (Junior high school students in Nazareth)

2010-2012: A mentor in the “Sachlav” project, a science program for elementary school students.

2010-2012: Teaching science in the "Helping Students" project. Helping elementary and junior high students with their homework.

2012-2013: Internship at the “Ibn Amer-Nazareth” school in Nazareth as part of the “Battle” program. Teaching a group of excellent students.

2013-2014: Working as a local teacher in a junior high school in Nazareth.

2014-2023: A biology-chemistry teacher for 7th, 8th, and 9th graders ("Mof'at" class) at Rina A (Rina) and Yafa Middle School (Yafa), and an instructor in the "Amirim" program for outstanding students.

2020-2022: A member of the development team of the “Speak to me in numbers” program.

2020-2023: Co-leader of teachers’ professional learning communities to implement the “Speak to me in numbers” program.

List of publications:

- Basheer, A., **Sindiani, A.**, Gulacar, O., Eilks, I., & Hugerat, M. (2022). Exploring Pre-and In-service Science teachers' green chemistry and sustainability awareness and their attitudes towards environmental education in ISRAEL. *International Journal of Science and Mathematics Education*, 1-21. <https://doi.org/10.1007/s10763-022-10318-x>
- Rap, S., Blonder, R., **Sindiani-Bsoul, A.**, & Rosenfeld, S. (2022). Curriculum development for student agency on sustainability issues: An exploratory study. *Frontiers in education (Lausanne)*, 7. <https://doi.org/https://doi.org/10.3389/feduc.2022.871102>

Participating in conferences:

- Sindiani-Bsoul, A.**, Rap, S., Rosenfeld, S., & Blonder, R., (2022). *Attitudes and behavior of science students regarding SDGs: An intervention study*. International Seminar for STEAM Doctoral Students, Helsinki, Finland (Poster).
- Sindiani-Bsoul, A.**, Rap, S., & Blonder, R., (2022). *Attitudes and behavior of science teachers regarding SDGs: An intervention study*. European Conference on Research in Chemistry Education (ECRICE), Weizmann Institute, Rehovot, Israel (Poster).
- Sindiani-Bsoul, A.**, Rap, S., & Blonder, R., (2022). *Attitudes and behavior of science teachers regarding SDGs: An intervention study*. Sustainability and climate action day, Weizmann Institute, Rehovot, Israel (Poster).
- Rap, S., Rosenfeld, S., **Sindiani-Bsoul, A.**, & Blonder, R., (2022). *Can a data-driven pedagogy contribute to the development of student agency?* European Conference on Research in Chemistry Education (ECRICE), Weizmann Institute, Rehovot, Israel.
- Rap, S., **Sindiani-Bsoul, A.**, & Blonder, R., (2022). *"Speak to me in Numbers" Program – An Innovative Pedagogical Approach of Sustainability through Chemistry Education*. 26th IUPAC International Conference on Chemistry Education (ICCE 2022), Cape Town, South Africa.
- Rap, S., **Sindiani-Bsoul, A.**, Bodas, M., Rosenfeld, S., Friedlander, A., & Blonder, R. (2021). *"Speak to me in numbers" – Interdisciplinary teaching of Sustainable Development Goals* The 2021 NARST Annual International Conference, Virtual conference .

Awards

- 2018:** Award for excellence in the M.Ed. from the Ministry of Education.
- 2020:** Higher Education Council (VATAT) scholarship on advanced studies in the Arab sector.
- 2022:** Second place poster award at the ECRICE 2022 European Conference on Research in Chemistry Education.

Languages:

Arabic: Native Language **Hebrew:** Native Language level **English:** Fluent