

MARCELLE MACHLUF

1. PERSONAL DETAILS

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ORCID ID: 0000-0001-5896-963X, H-Index = 46, [Google Scholar profile](#)

2. ACADEMIC DEGREES

- 1997-2001 Postdoc: Laboratory of Prof. Anthony Atala, Harvard Medical School, Boston.
1991-1997 Ph.D. Department of Biotechnology Engineering, Ben-Gurion University, Israel.
1987-1990 M.Sc. Department of Biotechnology Engineering, Ben-Gurion University, Israel.
1984-1987 B.Sc. Department of Life Sciences, The Hebrew University, Jerusalem, Israel.

3. ACADEMIC APPOINTMENTS

- 2017-June 2022 Dean, Faculty of Biotechnology and Food Engineering, Technion-Israel Institute of Technology, Haifa, Israel (hereafter Technion).
2015-2017 Deputy Executive Vice President for Research for the Pre-Clinical Research Authority of the Technion.
2015-2019 Adjunct Professor at the School for Material Science Engineering, Nanyang Technological University, Singapore.
2011-2016 Deputy Dean of the Faculty of Biotechnology and Food Engineering, Technion.
2009-2016 Head of the Interdepartmental Program in Biotechnology.
2014-present Full Professor, Faculty of Biotechnology and Food Engineering, Technion.
2013-2015/16. Head of the START Technion-Singapore Alliance Program on Tissue Engineering
2007-2014 Associate Professor, Faculty of Biotechnology and Food Engineering, Technion.
2001-2007 Senior Lecturer, Faculty of Biotechnology and Food Engineering, Technion.

4. PROFESSIONAL EXPERIENCE (outside academia)

- 2024-present Member of the Israel Council for Higher Education
2023 Member of the Academic Council, Broude College of Engineering
2023 Planning and Budgeting Committee (Vatat) for Food, Agriculture and Sustainability
2023-present Consultant of Collplant, Israel
2021-present Founder and consultant of MeatAfora, Israel
2019-present Founder and consultant of NanoGhost, Israel
2020- present Member of the Technological Infrastructure Committee of the Israeli Innovation Authority
2010-2018 External director of InsuLine Medical Ltd. Israel
2008-2009 External advisory board member of GluSense Ltd. Israel
2007-2008 External advisory board member of Beta-O2 Technologies Ltd. Israel

5. TEACHING EXPERIENCE

- 2010-2011 Cell delivery platforms and tissue engineering, NTU, Singapore.
2009-present Micro and Nano-encapsulation in Food and Biotechnology, Technion, Israel.
2006-present Tissue Engineering, course design and supervision, Technion, Israel.
2002-present Mammalian Cell Biotechnology course design and supervision, Technion.

2001–present Bio-Separations in Biotechnology course design and supervision, Technion, Israel.

6. TECHNION ACTIVITIES

2023-present Senate member of the Vaada Merakezet
 2009-2010 Technion Bio-Nano Committee
 2009-2010 Technion Undergraduate and Graduate Courses Committee
 2002-2008 Technion Animal Ethics Committee
 2004-present ATS Fund Raising

7. DEPARTMENTAL ACTIVITIES

2017-2022 Dean of the Faculty of Biotechnology and Food Engineering
 2011-2015 Coordinator of foreign exchange students
 2011-2014 Faculty first-year advisor for undergraduate students
 2001-2009 Faculty safety officer

8. PUBLIC PROFESSIONAL ACTIVITIES

2022 Head of the scientific committee of Israel Prize Award (פרס ישראל) in Life sciences.
 2020-present Committee member of Technological Infrastructure of the Innovation authority of Israel
 2020 Member in the Innovation authority advisory committee for the “Bioconversion” program
 2019-2020 Head of ISF committee
 2018 Honor Speaker and special guest for 60th anniversary of ESPOL-Polytechnic University at Guayaquil, Ecuador
 2018-present Editorial board member, Scientific Reports
 2017-2022 President of the Israel Local Chapter of the Controlled Release Society
 2015 ISF committee member
 2015-2019 Minerva Center Committee Member, Max-Planck Institute, Munich, Germany
 2013-2016 Editorial board member, Journal of Tissue Engineering
 2013-present Educational board member of Shaanan College, Haifa Israel
 2012 ISF and BSF committee member
 2009 ISF and Ministry of Science committee member

9. HONORS AND AWARDS

2022 Hilda and Hershel Rich Innovation Award
 2022 The World Sephardic Union Pioneer Award
 2022 The Peres knighthood for Peace & Innovation
 2019 ISEF Award for contribution to the society
 2018 Selected ‘Woman of the Year 2018’ by Lady Globes Magazine, Israel
 2018 Selected to be presented as a hologram of one of the leaders of innovation of the Peres Center for Peace and Innovation
 2018 Lighter of the Indented Torch (משואה) in the central ceremony marking Israel’s 70th Independence Day .
 2017 Cathedra of Benno Gitter & Ilana Ben Ami Chair in Biotechnology .
 2016 Selected by the Israel Ministry of Science and Technology as one of Israel’s sixty most impactful scientists for her developments in the field of advanced cancer therapies.
 2014 Recipient of the Juludan Research Prize For outstanding innovative research.
 2010 Recipient of the Hershel Rich Technion Innovation Award .
 2006 Recipient of the Gutwirth Award for achievements in the gene therapy field.
 2001-2004 Recipient of the Alon Award for excellence in science.
 2001-2003 Cathedra of WD Irving & Adele Rosenberg career development chair .
 1997 Bourses Chateaubriand Award for postdoctoral fellows