

Publications List – Sharona Atlas

Conference proceedings

1. **S. Atlas**, A. Kaplan, O. Klein-BenDavid, H. RavehAmit, N. Banano, A. Ben-Shabat, G. BarNes, A. Raveh, "**Experimental and Modeling of Low Pressure Plasma as a Complementary Process for Thermal Waste Treatment**", Waste Management (WM) 2019 conference in Pheonix, Arizona, USA, March 2019

Oral presentations

1. **S. Atlas**, D. Bresker, A. Kaplan, N. Genossar, M. Muzika, A. Lerer, I.a Rozenberg, J.a H. Baraban, "**2D Fluid Dynamics Modeling of a Pyrolysis Micro-Reactor - Computational Support for in Situ Characterization**", the 34th Annual Symposium of the Israeli Section of the Combustion Institute, December 2020, Haifa, Israel
2. **S. Atlas**, A. Kaplan, O. Klein-BenDavid, H. RavehAmit, N. Banano, A. Ben-Shabat, G. BarNes, A. Raveh. "**Experimental and Modeling of Low Pressure Plasma as a Complementary Process for Thermal Waste Treatment**", Waste Management (WM) 2019 conference in Pheonix, Arizona, USA, March 2019
3. **S. Atlas**, A. Kaplan, S. Perez, "**RAMST implementation for chemical process as a quantitative parameter for quality improvement**", the 36th Annual Conference of the Israel Institute of Quality, Tel-Aviv, October 2018
4. **S. Atlas**, Y. Zino, O. Galpenshtein, "**Reliability Engineering and Experiments Design**", 1-day workshop during the 36th Annual Conference of the Israel Institute of Quality, Tel-Aviv, October. 2018

Posters

1. **S. Atlas**, A. Kaplan, O. Klein-BenDavid, H. RavehAmit, N. Banano, A. Ben-Shabat, G. BarNes, A. Raveh, "**Low Pressure Plasma as a Complementary Process for Thermal Waste Treatment**", the 20th Israeli Conference on Plasma Science and its Applications (IPSTA 2018), Tel-Aviv University, 29th Jan. 2018
2. **S. Atlas**, A. Kaplan, O. Klein-BenDavid, H. RavehAmit, N. Banano, A. Ben-Shabat, G. BarNes, A. Raveh, "**Experimental and Modeling of Low Pressure Plasma as a Complementary Process**

- for Thermal Waste Treatment"**, the 53rd Annual meeting of the Israel Institute of chemical engineers (IICHE 2018), Tel-Aviv, June 2018
3. D. Bresker, **S. Atlas**, I. Rozenberg, J.H. Baraban, "**Constructing A Vacuum System For Controlled High Temperature Chemistry**", BGU Chemistry Department semiannual conference, Beer-Sheva, Israel, **January 2019**
 4. **S. Atlas**, A. Kaplan, O. Klein-BenDavid, H. RavehAmit, N. Banano, A. Ben-Shabat, G. BarNes, A. Raveh, "**Experimental and Modeling of Low Pressure Plasma as a Complementary Process for Thermal Waste Treatment**", Waste Management (WM) 2019 conference, Pheonix, Arizona, USA, March 2019
 5. S. Har Lavan, **S. Atlas**, A. Kaplan, O. Shoshanim, A. Lerer, I. Rozenberg, J. H. Baraban; **Optical Diagnostics of plasma Chemistry**", BGU Chemical Department Semiannual Conference, Beer-Sheva, Israel, June 2019
 6. **S. Atlas**, A. Kaplan, S. Har Lavan, I. Rozenberg, O. Shoshanim, J. H. Baraban, "**Optical Diagnostics of Plasma Chemistry Towards a New Waste Treatment Process**", the 37th Conference of IVS-IPSTA, Haifa, September 2019
 7. A. Kaplan, **S. Atlas**, Y. Kadosh, Y. Bochiln, E. Korin, A. Bettelheim, "**Plasma Electrochemistry in Ionic Liquids: Fabrication and Deposition of Metallic Nanoparticles**", the 2019 Israel Electrochemistry Meeting in Ben-Gurion University of the Negev, Beer-Sheva Israel, September 2019
 8. A. Kaplan, **S. Atlas**, Y. Kadosh, Y. Bochiln, E. Korin, Armand Bettelheim, "**Plasma Electrochemistry in Ionic Liquids: Fabrication and Deposition of Metallic Nanoparticles**", 71st Annual ISE Meeting, Ben-Gurion University of the Negev, Beer-Sheva Israel, August 2020
 9. O. Eini, A. Kaplan, Y. Yasur, **S. Atlas**, "**3D model of the flow Inside a Cooling Jacket in order to Prevent Corrosion Marks Problem**", COMSOL Europe conference, Grenoble, France, October 2020
 10. A. Kaplan, **S. Atlas**, S. Har-Lavan, A. Lerer, I. Rozenberg, J. H. Baraban , "**1D Model of Low-Pressure Plasma as a Platform to Study Gas Decomposition Reactions**", COMSOL Europe conference, Grenoble, France, October 2020
 11. **S. Atlas**, D. Bresker, A. Kaplan, M. Muzika, A. Lerer, I. Rozenberg, J. H. Baraban, "**2D fluid dynamics modeling of a pyrolysis micro-reactor - computational support for *in situ* characterization**", COMSOL Europe conference, Grenoble, France, October 2020

12. S. Har Lavan, S. Atlas, A. Kaplan, A. Lerer, I. Rozenberg, J. H. Baraban, "**Investigating Hydrocarbon Decomposition Mechanisms Using in situ Optical Diagnostics in Cold Plasma**", WM2021, Arizona, USA, March 2021

Other

1. S. Atlas, J.H. Baraban, "**Investigating radical chemistry in hybrid low-pressure plasma processes for advanced plastic waste treatment - Proposal for PhD studies**", October 2021, Ben-Gurion University