

## Sharona Atlas

Technology Division  
Nuclear Research Centre Negev  
POB 9001, Beer-Sheva, 84190 Israel

Tel.:+972-8-656-9476  
Fax: +972-8-6568808

---

### Education

- 1990-1994      B. Sc., Chemical Engineering Department, Ben Gurion University
- 1995-1998      M.B.A., Business Management School, Ben Gurion University
- 2000-2004      M.Sc, Chemistry Department, Ben Gurion University,  
Thesis subject: Development of an Analytical Control System for  
Production Process of Mono Potassium Phosphate Produced from Waste  
Stream
- 2018-Present    Ph.D Student, Chemistry Department, Ben Gurion University  
Thesis subject: Investigating radical chemistry in hybrid low-pressure  
plasma processes for advanced plastic waste treatment

### Employment

- 2017-present    Head of Process Engineering Unit, NRCN, Israel**
- Technologies evaluation
  - Process simulations
  - Process design and optimization
  - System Engineering
- 2013-2017      Business Development Manager, ICL Industrial Products**
- Leading a global, strategic and complicated technological project in the field of Energy Storage.
  - Managing a global and multidisciplinary team (R&D, Engineering, Regulation, Legal).
  - Setting budgets, identifying required resources, assigning responsibilities and coordinating project staff directly and indirectly to ensure successful progress, achieve deliverables, and complete projects (or sub-projects).
  - Managing international R&D collaborations with academic institutions and partners along the value chain.
  - Responsibility for opening up and maintaining effective channels of communication with stakeholders, project teams, contractors, customers and partners throughout a project.

- Tracking project deliveries using project management tools.
- Responsible for identifying, analyzing, measuring and managing project risks (technology and financial wise).
- Structuring and defining the needed framework and pillars to achieve the project and the business objectives.

**2011-2013      Process Development Engineer, Technology Group, WGTC, ICL, USA  
Performance Products**

- Leading technological and unique cross-company projects
- Engineering development and support to the company's production plants, identifying and investigating opportunities for quality improvements and cost reduction.
- Technology and engineering support to the Marketing Division in solving problems with product quality and its performances to comply with customer satisfaction goals.
- Developing new and improved chemical manufacturing processes.
- Analyzing multi-discipline issues (Production, Technology, Marketing), seeking and recommending of optimal solutions.
- Planning, managing and executing production campaigns, at suitable vendor sites, for new products.
- Identifying new technologies for ensuring the company's competitive advantage.

**2007-2011      Chief Chemist, R&D Division, Rotem, ICL Fertilizers, Israel**

- Leading the company's research team to establish a professional technical and scientific knowledge center, to ensure the company's strength, stability and sustainability.
- Responsibility for scientific support to all company's production processes.
- Process Improvement, adjustment and optimization; focus on yields and capacities improvements.
- New products research, development and introduction.
- Mentoring and training young researches and engineers.
- Experience with European Regulation – REACH.
- Leading and developing the implementation of Product Stewardship methodology in the company (as part of Responsible Care policy).
- A permanent member of the HACCP company committee for food products.

**2005 - 2007      Development & Process Manager, Rotem, ICL Fertilizers, Israel**

- Leading projects of new technologies development and implementation.
- Working closely with Operation teams on process improvements, cost reduction and yield improvement projects.
- Engineering design for new technologies and proceses.

**2000 – 2005      Project Manager, Rotem, ICL Fertilizers, Israel**

- Management of bench-scale, pilots and demonstration plant projects.
- Process design - equipment type, size and process layout.

**1995 – 2000      Process Engineer, Rotem, ICL Fertilizers, Israel**

- Process optimization, mass balances, cost and consumption control
- Process design