

Prof. Diana Golodnitsky (School of Chemistry, Tel Aviv University) has been involved in the lithium battery research since 1992. Her major scientific activities are focused on the development of new nanosize electrode and solid-electrolyte materials with the use of versatile electrochemical approaches. Diana Golodnitsky's work has covered several topics related to the mechanisms of the electrochemical syntheses and ion conduction phenomena, composition- structure-properties correlation of the battery and supercapacitor materials. Her scientific interests include, in addition, electrochemistry of metals and alloys, 3D-micro- and nano-battery architectures; characterization of innovative materials for advanced energy technologies using XRD, SEM, EDX, XPS, TOF SIMS, MDSC, and HRTGA-IR methods. She has authored over 100 papers, five book chapters, and over 200 conference publications; she holds 14 patents. She is a co-founder of 2 startup companies- Devis Electrocopy and Honeycomb microbatteries