

FACULTY MEMBERS

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<p>BEJERANO-ROTH NURIT – Life Sciences - (retired) Ph.D., The Hebrew Univ., 1968 Research Interests: Light effects on plant development and physiology. Stomatal movement. Mycorrhiza. Cultivation of local truffles and introduction of European truffles. nuritrb@bgu.ac.il</p>	<p>BEN ZVI, ANAT – Life Sciences, NIBN Ph.D., The Hebrew University, 2003 Research Interests: how protein quality control is maintained and why it fails in a living, multicellular organism anatbz@bgu.ac.il</p>

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<p>KISCH, HANAN J. - (Emeritus) Geological & Environmental Sciences D.Sc., Univ. of Amsterdam, 1962 Research Interests : Very-low-grade metamorphism and burial diagenesis. Metamorphic microfabrics. Metamorphic white micas: illite/phengite 'crystallinity', lattice parameter b_0 and metamorphic P/T gradients, chemical composition, Na/K micas, deconvolution of XRD reflections . Slaty and crenulation cleavage - development and quantification of intensity. Lattice-preferred orientation. Metamorphism in marginal zones of orogenic belts: Scandinavian Caledonides, Western Alps, Hellenides, Archaean greenstone belts. Rock-forming minerals, especially amphiboles and phyllosilicates. kisch@bgu.ac.il</p>	<p>KRICHEVSKY, OLEG - Physics Ph.D., The Weizmann Inst., 1996 Research Interests: Biological physics. Condensed matter physics. Physics of complex fluids. oleg@bgu.ac.il</p>

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<p>LIKHTENSHTEIN, GERTZ -(emeritus) Chemistry D.Sc., Inst. Chem. Phys., Moscow, 1972 Research Interests: Chemical biophysics. Mechanism of enzyme catalysis. Structure and dynamics of proteins and biomembranes. Biosensors. gertz@bgu.ac.il</p>	<p>MARKIEWICZ, DANIEL - Mathematics Ph.D., UC Berkeley, 2002 Research Interests: Operator algebras danielm@math.bgu.ac.il</p>
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<p>MEISELS, AMNON - Computer Science Ph.D. in Physics, Ben Gurion University, 1979 Research Interests: Constraints Processing. Distributed Constraints. Constrained Agents – Cooperation & Coordination; Distributed Timetabling. am@cs.bgu.ac.il</p>	<p>MIZRAHI, YOSEF – Life Sciences (emeritus) Ph.D., The Hebrew Univ., 1972 Research Interests: Introduction of wild fruit trees as crops to desert areas. Production under salinity. Biology of cacti. Nonripening mutants. Secondary metabolites from exotic edible fruits mizrahi@bgu.ac.il</p>
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<p>MEYERSTEIN, DAN - Chemistry (emeritus) Ph.D., The Hebrew Univ., 1965 Research Interests: Inorganic chemistry. Catalysis. Radical chemistry. Redox processes. Complexes with metal carbon bonds. Bioinorganic chemistry danmeyer@bgu.ac.il</p>	<p>MORDECHAI, SHAUL – Physics (emeritus) Ph.D., The Hebrew Univ., 1972 Research Interests: Optical diagnostics and medical informatics. shaulm@bgu.ac.il</p>

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<p>PERETZ, RONEN - Mathematics & Computer Science Ph.D., The Technion, 1989 Research Interests: Algebraic geometry. Polynomial mappings. Complex analysis (extremal problems, geometric function theory, circle packing). ronenp@math.bgu.ac.il</p>	<p>PRIEL, ZVI – Chemistry (emeritus) Ph.D., Weizmann Inst., 1970 Research Interests: Physical chemistry and biophysics. Ciliary motion. Signal transduction. Intercellular Ca^{2+}. Macromolecules. Colloids. Surface science. alon@bgu.ac.il</p>
<p>PINES, EHUD - Chemistry Ph.D., Tel-Aviv Univ., 1989 Research Interests: Laser spectroscopy of ultrafast phenomena. Ultrafast bimolecular reaction dynamics in solution. Acid-base processes in inhomogeneous aqueous media and at surfaces of macromolecules. Non-specific (medium) control of biological reactivity. epines@bgu.ac.il</p>	<p>PROSS, ADDY - Chemistry Ph.D., Univ. of Sydney, 1970 Research Interests: Physical organic chemistry. Theoretical organic chemistry. Application of qualitative models for understanding organic reactivity. Origin of life. Chemical nature of life. Mechanism for emergence of biological complexity. pross@bgu.ac.il</p>

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<p>SHAANAN, BOAZ – Life Sciences Ph.D., Tel-Aviv Univ., 1979 Research Interests: Structure determination of biological macromolecules by X-ray crystallography and structure-function studies. Current specific interests: Structure-function studies on: ACT-domain containing enzymes (acetohydroxy acid synthase, threonine deaminase): Poorly conserved ORFs (PCOs) from halophilic archaea. Protein kinases. Membrane proteins (VDAC). bshaanan@bgu.ac.il</p>	<p>SHAPIRO, JESSE M. - Mathematics (emeritus) Ph.D., Univ. of Minnesota, 1954 Research Interests: Probability & Statistics. jesse@math.bgu.ac.il</p>
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