

Jakov Levin, PhD, GEOLOGIST

## Education

2001- Computer maintenance Course, Sivan-Etgar, Israel

1993- Environmental Consultant Course, Israel Ministry of Energy.

1988- Ph.D. in Geology and Mineralogy, Frunze, Polytechnic Institute, USSR;

## Summary Experience

A multiskilled economic geologist with over 40 years experience in mining and exploring for diamond, gold, silver, polymetallic, trace, non-ferrous, and rare metals in placers and hardrock with specification in world – class gold, copper- molybdenum deposits in Central Asia and Kazakhstan Proven analytical ability in the fields of geology, geochemistry and geophysical data interpretation. Statistical analyses and quality control methods of sampling and corehole study. Experience in gemstone mining with dredge methods. Successful track record in ore resource/reserve estimation with experience in a wide range of commodities. A highly motivated self-starter with excellent long-term vision in exploration research. Proven record in report writing and budgeting. Proven international expert and consult around the world (Asia, Africa, South America).

## Professional Experience

2009-2010 Geoplus: Project Management, Pavement Materials, Geotechnics . Haifa, Israel  
SENIOR GEOLOGIST, GEOLOGIST - CONSULTANT.

System analyst in geology, sample and minerals studies and inte interpretation; core analyses; creation of the lithological schemes and croscross sections for the complete report;

2007- 2009 MivMivdaka GEOLOGIST

2002 – 2006 SHEFA YAMIM (A.T.M) Ltd, Neshar, ISRAEL, CHIEF GEOLOGIST

Diamond exploration in the Qishon river gemstone placer and prospecting in the Yizre'el Valley and Mount Carmel area (primary and secondary diamond and gold deposits).

- Project leader and supervising for geological survey in the Qishon river gemstone placer. Review drilling results and apply mineralogical and other physical property measurements to lithology and grade control maps; supporting for log sample collection and interpretation; analyze and interpret data using appropriate spatial and statistical methods; experiments with new technology.
- Physical (special gravity, acid resistance) and optical (axes, birefringence, refractive index) properties' testing of gem stones (diamond, moissanite, sapphire) and associated minerals (coesite, spinel, garnet, olivine etc) under polarized microscope and binocular. Quality control of gemstones under Scanning Electron Microscope and X-Ray Diffractometer.
- Train and assist geologists in the use of database and statistical software for the analysis of mineralogical data. Provide advice on analytical method selection and quality control, and assist with interpretation of results; provide independent advice to team leaders and general management.
- Audit ore resource estimates. Apply research to improve exploration effectiveness. Budget calculation of current research work. Provide technical and management reports in an accurate, concise and timely manner.

2001 – 2002 SHEFA YAMIM (A.T.M) Ltd, Nesher, ISRAEL, MANAGER OF DIAMOND SEPARATION LABORATORY.

Diamond and gold prospecting in the Qishon river area • Physical (special gravity, acid resistance) and optical (axes, birefringence, refractive index) properties' testing of gem stones (diamond, moissanite, sapphire) and associated minerals (coesite, spinel, garnet, olivine etc) under polarized microscope and binocular. Quality control of gemstones under Scanning Electron Microscope and X-Ray Diffractometer. Supporting for log sample collection and interpretation; Apply research to improve exploration effectiveness.

First finding of diamond and moissanite minerals in Israel and, moreover, of commercial sizes and quality.

1994 – 2000: GIVOT OLAM OIL LIMITED, Jerusalem, ISRAEL;

RESERCH GEOLOGIST AND LITHOLOGIST. System analyst in geology. Responsibilities included supervision of mud logging unit personnel, sample and minerals studies and interpretation; core analyses; creation of the lithological schemes and cross sections for the complete report; regional studies; data reporting.

1992: Emigrated from the USSR to ISRAEL

1990 - 1992: NODIUS TRADE COMPANY, Helsinki, FINLAND; GEOLOGIST - CONSULTANT.

Geological studies and mapping of the Scandinavian Peninsula. Prospecting of diamond and gold, copper- molybdenum and trace metal deposit. A comparison between new fields (including off-shore and river placers) and others deposit in Archangels district and Karelya. To put forward a suggestion for use news prospecting method.

1989 – 1990: Geological company “NEVSKGEOLOGIA”, Sant-Petersburg, RUSSIA; CHIEF GEOLOGIST.

Prospecting of diamond, gold, copper- molybdenum and trace metals in Archangels district and North Ural region (including off-shore sampling). Finding of new explosion pipes. First findings of a few fine moissanite crystals.

1986 - 1989: MINISTRY OF GEOLOGY, Tashkent, USSR; DEPARTMENT MANAGER.

Planning of the development and geological studies in the region, estimation mineral raw resources (including gold, copper- molybdenum and precious stones) of Central Asia and Kazakhstan. Recommendation for gold polymetallic and copper- molybdenum prospecting areas.

1983 - 1987: CENTRAL ASIA GEOLOGICAL INSTITUTE AND RAW MATERIAL, Tashkent, USSR; SENIOR GEOLOGIST.

Integrated processing and interpretation of the geological data, geological survey, geochemical prospecting gold, silver, copper- molybdenum and gemstone (diamond) deposits.

1980 –1982: “YAKUTSKGEOLOGIA” of Geological Ministry of Russia; GEOLOGIST. Exploration and evaluation of primary and placer gold and diamond deposits in South Yakutia (Aldan). Structural and lithological control study for gold and diamond trap localization, reconstructions of river stream migration; control sampling from boats, washing samples with pan and mineral express field diagnostics. Findings of new prospective fields (river placers).

1965 – 1979: MINISTRY OF GEOLOGY, Tashkent, USSR; GEOLOGIST.

Prospecting and exploration of gold-silver, copper- molybdenum, trace metals and polymetallic deposits. Discovered polymetallic deposit (Chatkal mountain region), copper- molybdenum deposit( Kurama region) and occurrences of gem spinel (Gissar Ridge).