

Noam Zach Dvory

Hydrology, Geomechanics, Geology, Well Engineering

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EDUCATION

Postdoctoral Scholar	Stanford University Department of Geophysics, Stress and Crustal Mechanics research group	present
Ph.D.	Ben Gurion University of the Negev The Jacob Blaustein Institutes for Desert Research	2018
M.Sc.	Hebrew University of Jerusalem Department of Earth Sciences	2002
B.Sc.	Hebrew University of Jerusalem	1999

PROFESSIONAL TRAINING

Stanford Business, Executive Education, California "Ignite"	2020
Stanford online "Reservoir Geomechanics"	2018
Princeton Groundwater, Nevada "Groundwater Remediation"	2018
Israeli Association of Construction & Infrastructure Engineers "Tunnels Design"	2017
ARMA, 51st U.S. Rock Mechanics/Geomechanics Symposium "2D and 3D Modeling of Rock Fracturing Processes in Geomechanics"	2017
Ben Gurion University of the Negev "Rock Tunneling", "Slope stability" and "Introduction to Geomechanics" courses Department of Engineering Geology	2014
Battelle, 9st Ninth International Conference on Remediation of Chlorinated and Compounds, California "Improved Conceptual Site Models and Remedial Outcomes"	Recalcitrant 2014
EAGE, in Ben Gurion University of the Negev, Beer Sheva, Israel "Basin and Petroleum Systems Modelling"	2013
PETROSKILLS, Oklahoma, United States "Well design and engineering"	2013
HALLIBURTON, BAROID Industrial Drilling Products, Cebo, Holland "Basic Drilling Fluids Workshop"	2011

ACADEMIC RESEARCH

Post-Doctoral Research, **Stanford University** 2019-Present
 Mentor: **Professor Mark D. Zoback**
Geomechanical investigations in the Permian Basin of west Texas and southeastern New Mexico

Graduate Research, **Ben Gurion University of the Negev** 2012-2018
 Ph.D. Thesis Research, Mentors: **Professors Alexander Yakirevich, Eilon Adar and Dr. Yakov Livshitz**
Recharge and Flow Mechanisms in the Vadose Zone of Carbonate Aquifers

Graduate Research, **Hebrew University of Jerusalem** 2000-2002
 M.Sc. Thesis Research, Mentors: **Profesor Zvi Garfunkel, Doctor Yosef Bartov and Doctor Ilan Bruner**
Subsurface study of the Paran and Thamad faults area

INDUSTRY RESEARCH

Research Team Manager, Etgar A. Engineering Ltd. 2018-present
 Client: Israel Hydrologic Service
Re'em deep research well, design, drilling and synthesis of results

Research Team Manager, Etgar A. Engineering Ltd. 2018-2019
 Client: Israel Hydrologic Service
Geophysical and Geochemical study of the industrial contamination distribution in the fractured carbonate Judea Gr. Aquifer, Rotem Plane, The Negev Desert

Research Team Manager, Etgar A. Engineering Ltd. 2018-2019
 Client: Israel Hydrologic Service
Flow path through faults and fractures in the Dead Sea Transform Fault System - A geochemical survey in the Neot HaKikar and Kikar Sdom areas

Research Team Manager, Etgar A. Engineering Ltd. 2016-2019
 Client: Israel Hydrologic Service
Kfar Saba Yartan deep research well, design, drilling and synthesis of results

Research Team Manager, Etgar A. Engineering Ltd. 2011-2019
 Client: Israel Hydrologic Service
Fractured carbonate vadose zone flow investigation - the Adora, Einav, Halamish, Mata, Mavo-Dotan and Tene-Omarim research wells, design, drilling and synthesis of results

Research Team Manager, Etgar A. Engineering Ltd. 2011-2014
 Client: Israel Hydrologic Service
The stratigraphic model of the sub-aquifers in the coastal aquifer of Israel

Research Team Manager, Etgar A. Engineering Ltd. 2011-2014
 Client: Israel Water Authority
Groundwater industrial pollution in the Gush Dan Metropolitan Area

Research Team Manager, Etgar A. Engineering Ltd. 2011-2013
 Client: Israel Water Authority
3D investigation and rehabilitation activities conducted in Ta'as "Arve Nahal"

Research Team Manager, Etgar A. Engineering Ltd. 2010-2012
 Client: Israel Water Authority
The potential of the southern parts of Israel coastal aquifer for the potential storage of treated wastewater from the Shafdan treatment plant

Research Team Manager, Etgar A. Engineering Ltd. 2010-2012
 Client: Israel Hydrologic Service
Numerical model for water harvesting potential of Arava aquifers in the central basin - New approaches to assess flow systems.

Research Team Manager, Etgar A. Engineering Ltd. 2008-2011
 Client: Israel Water Authority
Groundwater pollution in several industrial areas in Israel coastal aquifer

PEER-REVIEWED PUBLICATIONS

- **Dvory, N.Z.** and Zoback, M.Z., 2021 (in progress). Prior Oil and Gas Production Limits the Occurrence of Injection-Induced Seismicity in the Delaware Basin of west Texas and southeastern New Mexico. *Geology*.
- **Dvory, N.Z.** and Zoback, M.Z., 2021 (Submitted). Assessing Fault Slip Potential in a Continuously Varying Stress Field – Application in the Delaware Basin. 55th US Rock Mechanics / Geomechanics Symposium.
- **Dvory, N.Z.** and Zoback, M.Z., 2021 (Submitted). How Prior Production Affects the Occurrence of Injection-Induced Seismicity in the Delaware Basin of West Texas and Southeast New Mexico. 55th US Rock Mechanics / Geomechanics Symposium.
- **Dvory, N.Z.**, Kuznetsov, M., Livshitz, Y., Gasser, G., Pankratov, I., Lev, O., Adar, E., Yakirevich, A., 2018a. Modeling sewage leakage and transport in carbonate aquifer using carbamazepine as an indicator. *Water Res.* 128, 157–170. <https://doi.org/10.1016/j.watres.2017.10.044>
- **Dvory, N.Z.**, Livshitz, Y., Kuznetsov, M., Adar, E., Gasser, G., Pankratov, I., Lev, O., Yakirevich, A., 2018b. Caffeine vs. Carbamazepine as indicators of wastewater pollution in a karst aquifer 6371–6381.
- **Dvory, N.Z.**, Livshitz, Y., Kuznetsov, M., Adar, E., Yakirevich, A., 2016. The effect of hydrogeological conditions on variability and dynamic of groundwater recharge in a carbonate aquifer at local scale. *J. Hydrol.* 535, 480–494. <https://doi.org/10.1016/j.jhydrol.2016.02.011>
- **Dvory, N.Z.**, Ronen, A., Livshitz, Y., Adar, E., Kuznetsov, M., Yakirevich, A., 2018c. Quantification of Groundwater Recharge from an Ephemeral Stream into a Mountainous Karst Aquifer. *Water* 10, 79. <https://doi.org/10.3390/w10010079>.

THE ANNUAL CONFERENCE OF THE ISRAELI ASSOCIATION FOR WATER RESOURCES (peer reviewed conference papers)

- Zurieli, A., **Dvory, N. Z.**, Levanon, E., Bisnovat, X., Frank, B., Ben Shabat, M., Livshitz, Y., 2020, March. The Kfar Saba Deep research well to the Yarkon Taninim Aquifer – Initial Findings. Presented at: The Annual conference of the Israeli Association for Water Resources. Ma'ale HaHamisha, Israel.
- Levanon, E., Kaner, B., **Dvory, N. Z.**, Zurieli, A., Livshitz, Y., 2020, March. Groundwater geochemical survey at the Neot HaKikar and the Sodom Valley - the Dead Sea Transform. Presented at: The Annual conference of the Israeli Association for Water Resources. Ma'ale HaHamisha, Israel.
- Kaner, B., Zurieli, A., **Dvory, N. Z.**, Levi, E., Reshef, G., Issac, Y., Livshitz, Y., 2019, March. Examination of the extent of pollution in the Judea and Samaria Aquifer in the southeastern Negev, as a result of industrial activity in the Rotem plane. Presented at: The Annual conference of the Israeli Association for Water Resources. Hatzeva, Israel.
- **Dvory, N. Z.**, Levanon, E., Zurieli, A., Elad, M., Scheuer, N., Ben Shabat, M., Weiss, M., Livshitz, Y., 2018, May. Preliminary results from deep monitoring Wells in Dotan and Adora, into the phreatic zone of the Yarkon-Taninim aquifer. Presented at: The Annual conference of the Israeli Association for Water Resources. Neve Ilan, Israel.
- **Dvory, N. Z.**, Ronen, A., Livshitz, Y., Adar, E., Kuznetsov, M., Yakirevich, A., 2018, May. Quantification of groundwater recharge from an ephemeral stream into a Mountainous Karst Aquifer. Presented at: The Annual conference of the Israeli Association for Water Resources. Neve Ilan, Israel.
- Ovdat, H., **Dvory, N. Z.**, Scheuer, N., Tal, G., Tenzer, A., Reshef, G., 2018, May. Multi-level soil gas survey in a cracked aquifer as a tool for understanding the soil contamination profile in the Beit Hakerem military industrial plant. Presented at: The Annual conference of the Israeli Association for Water Resources. Neve Ilan, Israel.
- **Dvory, N. Z.**, Kuznetsov, M., Livshitz, Y., Pankratov, I., Gasser, G., Lev, O., Adar, E., Yakirevich, A., 2017, May. Modeling raw sewage leakage and transport in the unsaturated zone of a carbonate aquifer using carbamazepine as an indicator. Presented at: The Annual conference of the Israeli Association for Water Resources. Acre, Israel.
- Drori, I., **Dvory, N. Z.**, Tal, G., Ronen, A., Scheuer, N., Argaman, E., Egozi, R., 2016, March. Lessons from exceptional flood events taken place in areas with various land uses - 25-30.10.2015. Presented at: The Annual conference of the Israeli Association for Water Resources. Hispin, Israel.

- **Dvory, N. Z.**, Livshitz, Y., Kuznetsov, M., Adar, E., Yakirevich, A., 2016, March. Spatial changes in recharge volume in the Yarkon-Taninim aquifer. Presented at: The Annual conference of the Israeli Association for Water Resources. Hispin, Israel.
- **Dvory, N. Z.**, Argaman, E., Ronen, A., Tal, G., Fizik, E., Shahar, M., Egozi, R., 2015, April. Examination of land conservation activities in the Ezekiel River Basin. Presented at: The Annual conference of the Israeli Association for Water Resources. Binyamina, Israel.
- **Dvory, N. Z.**, Scheuer, N., Elad, M., Netzer, L., Zurieli, A., Livshitz, Y., 2015, April. Updating cross sections and preparing maps of sub-aquifers in the coastal aquifer of Israel. Presented at: The Annual conference of the Israeli Association for Water Resources. Binyamina, Israel.
- **Dvory, N. Z.**, Livshitz, Y., Zurieli, A., Elad, M., Scheuer, N., Ben Shabat, M., Weiss, M., 2014, April. Initial results from deep monitoring wells in the phreatic zone of the Yarkon-Taninim aquifer. Presented at: The Annual conference of the Israeli Association for Water Resources. Sde Boker, Israel.
- **Dvory, N. Z.**, 2014, April. Dewatering: Environmental considerations and impacts. Presented at: The Annual conference of the Israeli Association for Water Resources. Sde Boker, Israel.
- **Dvory, N. Z.**, Livshitz, Y., Scheuer, N., Zurieli, A., 2013, May. A conceptual model for improving flow model to estimates water harvesting potential in Arava aquifers - New approaches to analyzing flow systems through faults. Presented at: The Annual conference of the Israeli Association for Water Resources. Caesarea, Israel.
- **Dvory, N. Z.**, Reshef, G., Ovdad, H., Scheuer, N., Tal, G., Elhanani, S., 2013, May. A high-resolution environmental investigation of a contaminated site- "Arve Nahal" as an example. Presented at: The Annual conference of the Israeli Association for Water Resources. Caesarea, Israel.
- **Dvory, N.Z.**, Gev, I., Scheuer, N., Alkan, D., Rosenthal, A., 2012, May. The Shafdan – the applicability for subsurface storage of treated wastewater in the southern coastal basin. Presented at: The Annual conference of the Israeli Association for Water Resources. Ma'agan, Israel.
- Ovdad, H., **Dvory, N. Z.**, Reshef, G., 2012, May. Assessing the extent of groundwater pollution in select industrial zones in the coastal aquifer. Presented at: The Annual conference of the Israeli Association for Water Resources. Ma'agan, Israel.
- **Dvory, N. Z.**, Reshef, G., 2011, January. Establishment of monitoring systems in central industrial areas to prevent groundwater pollution - industrial area in southern Ashkelon and Ashdod South 1 and 2 as examples. Presented at: The Annual conference of the Israeli Association for Water Resources. Dead-Sea, Israel.

FELLOWSHIPS AND FUNDING

- Stanford Center for Induced and Triggered Seismicity 2019-2021
- Israel Water Authority 2012-2018
- Ministry of National Infrastructures, Energy and Water Resources 2000-2002

HONORS AND LEADERSHIP ROLES

- Primary convener, session title: Past, present and forecast of induced seismicity in the Permian Basin, Texas and New Mexico, AGU – American Geophysical Union (2020)
- Honored Ambassador, Bentham Science Publishers (2019-2020)
- Elected association committee member, The Israeli Association for Water Resources, positions – treasurer, vice president and more (2006-2017)
- Honorary committee member, The Israeli Association for Water Resources (2016)
- Conference session chair, session title: Hydrogeology and Groundwater, The Israeli Association for Water Resources annual meeting (2015)
- Conference session chair, session title: Yarkon Taninim Basin: New Thinking and Observations, The Israeli Association for Water Resources annual meeting (2014)
- Conference session chair, session title: Geochemistry and water quality, The Israeli Association for Water Resources annual meeting (2012)
- The Martin Goldschmidt award for young researches committee member, The Israeli Association for Water Resources (2010)
- Conference papers co-editor, Emergency Conference on the Status of Water Resources in Israel, The Israeli Association for Water Resources (2008)
- Honorary committee member, The Israeli Association for Water Resources (2007)
- Conference papers co-editor, Development and conservation of water resources in the Israeli coastal aquifer, The Israeli Association for Water Resources (2007)

INTERNATIONAL POSTER AND ORAL PRESENTATIONS

- Hennings, P., **Dvory, N.Z.**, Horne, E. and Zoback, M.Z. Slip Potential and Seismogenic Association of Basement-Rooted Faults in the Delaware Basin, West Texas
- **Dvory, N.Z.** and Zoback, M.Z. Pore pressure and stress constraints on induced seismicity in the Delaware Basin: Implications for maximum earthquake magnitudes. AGU Fall Meeting. December 1-17, 2020, Online everywhere.
- **Dvory, N.Z.** and Zoback, M.Z. Does prior depletion affect the occurrence of earthquakes induced by hydraulic fracturing in the Delaware Basin of Texas and New Mexico? AGU Fall Meeting. December 9-13, 2019, San Francisco, CA, USA.
- **Dvory, N.Z.** and Zoback, M.Z. Does past production affect hydraulic fracturing induced earthquakes in the Delaware Basin? SPE/SEG Workshop: Injection Induced Seismicity - The Next Chapter, November 12-14, 2019, Dallas, TX, USA.
- **Dvory, N.Z.**, Kuznetsov, M., Livshitz, Y., Gasser, G., Pankratov, I., Lev, O., Adar, E. and Yakirevich, A. Modeling Carbamazepine and Caffeine transport and attenuation in a carbonate aquifer. European Geosciences Union General Assembly, April 8-13, 2018, Vienna, Austria.
- Reshef, G. and **Dvory, N.Z.**, Lesson Learned from Deep Soil Gas Profiles in a Fractured Aquifer at an Ammunition Factory in Israel. Eleventh international Conference on Remediation of Chlorinated and Recalcitrant Compounds, Battelle, April 8–12, 2018, Palm Springs, CA, USA.
- **Dvory, N.Z.**, Ronen, A., Livshitz, Y., Adar, E., Kuznetsov, M. and Yakirevich, A., Estimating the proportion of groundwater recharge from flood events in relation to total annual recharge in a karst aquifer. AGU Fall Meeting. December 11-15, 2017, New Orleans, LA, USA.
- **Dvory, N.Z.**, Kuznetsov, M., Livshitz, Y., Gasser, G., Pankratov, I., Lev, O., Adar, E. and Yakirevich, A. Modeling raw sewage leakage and transport in the unsaturated zone of carbonate aquifer using carbamazepine as an indicator. AGU Fall Meeting. December 12-16, 2016, San Francisco, CA, USA.
- **Dvory, N.Z.**, Livshitz, Y., Adar, E., Kuznetsov, M. and Yakirevich, A. Distribution of Groundwater Recharge in Fractured/Karst Aquifers. AGU Fall Meeting. December 14-18, 2015, San Francisco, CA, USA.
- **Dvory, N.Z.**, Ovdar, H. and Elgressy, E. Successful Application of Electro Bio-Remediation (EBR®) Technology for Remediation of Volatile Organic Compound in Groundwater. INTERSOL. 14TH Conference on Polluted Sites and Soils. March 24-26, 2015, Paris, France.
- **Dvory, N.Z.**, Livshitz, Y., Kuznetsov, M., Adar, E. and Yakirevich, A. Modeling and characterization of flow processes in the carbonate aquifer vadoze zone. AGU Fall Meeting. December 15-19, 2014, San Francisco, CA, USA.
- **Dvory, N.Z.**, Reshef, G. and Elhanany, S. Time-Saving High-Resolution Groundwater Site Characterization in a Former Ammunition Factory in Israel. Ninth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Battelle, May 19-22, 2014, Monterey, CA, USA.

TEACHING EXPERIENCE

Lecturer, The Hebrew University of Jerusalem, 2021 (spring - planned)

"*Field Methods in Subsurface Hydrology*" course, Hydrology & Water Resources Graduate Study Program

Teaching Assistant, Stanford University, 2019 (spring)

"*Reservoir Geomechanics*" course, Graduate Study Program

Teaching Assistant, Stanford University, 2019 (spring)

"*Reservoir Geomechanics*" course, Stanford Online

Lecturer, The Hebrew University of Jerusalem, 2019 (spring)

"*Field Methods in Subsurface Hydrology*" course, Hydrology & Water Resources Graduate Study Program

Lecturer, Technion - Israel Institute of Technology, 2018 (winter)

"*Drilling Operations I*" course, Natural Gas & Petroleum Engineering (NG&PE) Graduate Study Program

INDUSRY EXPERIENCE

CVO, Chief Geologist, Etgar A. Engineering Ltd., 2006 - Present

- Planning, directing and execution of various projects in applied geology fields.
- Design and supervision of water wells and geotechnical boreholes (Rotary, DTH, Reverse circulation, Wireline, Cable tool, Jackhammer etc.)
- Determining ex-situ and in-situ sampling and measurements in boreholes (coring, lab analysis according to ASTM standards, pressure-meters, SPT, pumping and injection test, logging - SP, DT, GR, Resistivity, Televiewer etc.)
- Data processing and interpretation for structural geology requirements, 3D flow models analysis (MODFLOW USGS) and 2D geomechanical analysis (Rocscience RS2)
- Models validation and sensitivity analysis performance
- Planning, physical installation and monitoring of various test instruments inside boreholes, tunnels, stream beds and on the surface
- Interpretation of soil/rock laboratory index and strength testing including: Atterberg limits, consolidation, zero swell, swell-consolidation, UCS, and point load index
- Producing geotechnical and hydrogeological reports for foundation design and dewatering performance
- Leading the firm assimilation of the ISO/IEC 17025 standards for soil and soil gas sampling

- Constructing environmental scientific reports and recommendations regarding soils and groundwater contamination including from hydrocarbons
- Leading professional teams of up to 20 people

Geologist, Project Manager, **Natural Resources Development Ltd.**, 2002 - 2006

- Execution and supervision of field work (geological surveys, pumping tests, production wells and observation boreholes drilling, water sampling).
- Geological data decoding (boreholes, maps, cross sections, geophysical data etc.).
- 2D and 3D geological models' construction.
- Hydrogeological Models setting.

Geologist/Geophysicist, **The Geophysical institute of Israel.** 2000 - 2002

- Seismic data processing and interpretation in Promax and Seisworks environments.
- Gravity and magnetic surveys data interpretation.

Technical lab manager, **I.T.M. - Legal technological counseling.** 1997 - 1999

Technical lab manager.

- Learned and performed new tests according to client's' demands.

SELECT REPORTS

- Lund Snee, J.E. and **Dvory, N.Z.** 2020. Magnitude 5.0 earthquake shakes West Texas. jenserkundsnee.com. <https://www.jenserkundsnee.com/blog/2020/3/27/magnitude-50-earthquake-shakes-west-texas>, doi: 10.6084/m9.figshare.12045213.
- **Dvory, N. Z.**, Kaner, B., Levanon, E. Zurieli, A. Livshitz, Y., Reshef. G. 2019. Examination of the extent of pollution in the Judea and Samaria aquifer in the southeastern Negev as a result of industrial activity taking place in the Rotem plane. Etgar Report No. ETHD180813.
- **Dvory, N. Z.**, Zurieli, A. Livshitz, Y., Frank, B., Bisnovat, X., Ben Shabat, M., Levanon, E. 2019. Drilling Summary Report – Kfar Saba Yartan Deep Research Well. Etgar Report No. ETHD191002.
- Bisnovat, X., Frank, B., Finkelman, E., Hazan, N., **Dvory, N. Z.** 2019. A geological survey: Examining the quantity and quality of raw material for quarry use in Nahal Akev. Etgar Report No. ETHD190502.
- **Dvory, N. Z.**, Scheuer, N., Alkan D., Ashvat-Tibe, M., Avraham, A. 2019. A Detailed plan to identify areas for new wells in the mountain aquifer between Rosh HaAyin and Nahal Yiron. Etgar Report No. ETHD191208.
- **Dvory, N. Z.**, Zurieli, A., Livshitz, Y., Elad, M., Bisnovat, X., Ben Shabat, M., Scheuer, N., Levanon, E., Weiss, M. 2019. New monitoring wells to the phreatic zone of the Yarkon-Tanimim aquifer: Adora, Einav, Halamish, Mata, Mavo-Dotan and Tene-Omarim. Etgar Reports No. ETHD150701, ETHD150702, ETHD1150902, ETHD170702, ETHD180105, ETHD181107.

- **Dvory, N. Z.**, Kaner, B., Levanon, E. Zurieli, A. Livshitz, Y. 2019. A geochemical survey in the Neot HaKikar and Kikar Sdom areas. Etgar Report No. ETHD190404.
- Bisnovat, X., Finkelman, E., **Dvory, N. Z.** 2019. Ayalon 1b - Drilling summary report. Etgar Report No. ETHD190115.
- Bisnovat, X., Frank, B., Finkelman, E., Hazan, N., **Dvory, N. Z.** 2019. A geological survey: Examining the quantity and quality of raw material for quarry use in Givat Lehem. Etgar Report No. ETHD190506.
- **Dvory, N. Z.**, Scheuer, N., Levanon, E. 2019. Dewatering as part of the construction of an underground structure on a military base in the Beer-Sheva region. Etgar Report No. ETHD191004.
- Levanon, E., Ronen, A., **Dvory, N. Z.** 2019. A hydrological survey as part of the development plans for the Bilu Camp Military base. Etgar Report No. ETHD190209.
- Bisnovat, X., Frank, B., Finkelman, E., Hazan, N., **Dvory, N. Z.** 2019. A geological survey: Examining the quantity and quality of raw material for quarry use in Taasiya Zevaim. Etgar Report No. ETHD190704.
- Bisnovat, X., Scheuer, N., Hazan, M., Ben Shabat, M., Finkelman, E., **Dvory, N. Z.** 2019. Tzruya 1 well – drilling and hydrological report. Etgar Report No. ETHD181108.
- Bisnovat, X., Hazan, M., Hazan, N., Scheuer, N., **Dvory, N. Z.** 2018. A geological survey: Examining the quantity and quality of raw material for quarry use in Mount Shahr. Etgar Report No. ETHD180408.
- **Dvory, N. Z.**, Scheuer, N. 2018. Dewatering as part of the construction of three bridges in the Haifa Port. Etgar Reports No. ETHD180903 and ETHD180905.
- Ovdad, H., Kraus, G., Drori, I., Tal, G., **Dvory, N. Z.** 2018. Installation of monitoring wells in Tirat Carmel military industrial area: Final Report. Etgar Report No. ETHD180805.
- Scheuer, N., Bisnovat, X., **Dvory, N. Z.** 2018. Dewatering as part of infrastructure tunnel construction in the Haifa Port. Etgar Report No. ETHD180104.
- Scheuer, N., **Dvory, N. Z.** 2018. Dewatering as part of sewage pumping station construction in Newe Zohar on the Dead Sea. Etgar Report No. ETHD171201.
- Scheuer, N. Levanon, E., **Dvory, N. Z.** 2018. A hydrological, engineering and environmental survey for the eastern depot area on the Purple line, Tel-Aviv metropolitan area mass transit system. Etgar Report No. ETHD180502.
- **Dvory, N. Z.**, Scheuer, N. 2018. Dewatering as part of the Turkish rail construction on the Red line, Tel-Aviv metropolitan area mass transit system. Etgar Report No. ETHD171207.
- **Dvory, N. Z.**, Scheuer, N. 2018. Dewatering as part of the construction of an underground structure on a military base in the Tel-Aviv region. Etgar Report No. ETHD180809.
- **Dvory, N. Z.**, Alkan D., Ashvat-Tibe, M., Cheausu, Z. 2018. Locating areas for new wells between Holon and Ashdod in the coastal aquifer of Israel: A detailed plan. Etgar Report No. ETHD180504.
- **Dvory, N. Z.**, Alkan D., Ashvat-Tibe, M., Cheausu, Z. 2017. Locating areas for new wells in the northern part of the coastal aquifer in Israel: A detailed plan. Etgar Report No. ETHD170801.
- **Dvory, N. Z.**, Ovdad, H., Scheuer, N. 2017. An assessment of potential soil and water pollution leakage from the Elisra plant in Bene-Brak. Etgar Report No. ETHD170503.
- **Dvory, N. Z.**, Scheuer, N. 2017. Dewatering as part of depot facility construction for the Red line, Tel-Aviv metropolitan area mass transit system. Etgar Report No. ETHD170301.

- Egozi, R., Herman, O., **Dvory, N. Z.**, Tal, G., Ronen, A., Drori, I. 2017. Peak flows and runoff volumes in secondary drainage areas at stations of the Soil Erosion Research Center, Ministry of agriculture and rural development – Annual report 2016/2017.
- Hazan, M., Ronen, A., Elad, M., **Dvory, N. Z.** 2017. A geotechnical report: Crossing Passages for the Red line at the Em HaMoshavot Depot, Tel-Aviv metropolitan area mass transit system. Etgar Report No. ETHD170602.
- Levanon, E., **Dvory, N. Z.** 2017. Estimation of rainwater infiltration above the Netafim underground building. Etgar Report No. ETHD171003.
- Ronen, A., Levanon E., **Dvory, N. Z.** 2017. A hydrological feasibility test for storm water harvesting from the Dror stream. Etgar Report No. ETHD170904.
- Ronen, A., Levanon E., **Dvory, N. Z.** 2017. A hydrological feasibility test for storm water harvesting from the Rishpon and Poleg streams. Etgar Report No. ETHD170905.
- Argaman, E., Egozi, R., Shahar, M., Fizik, E., **Dvory, N. Z.**, Tal, G., Ronen, A., Drori, I., Scheuer, N. 2016. Peak flow and runoff volumes in secondary drainage areas at stations of the Soil Erosion Research Center, Ministry of Agriculture and Rural Development – Annual report 2014/2015.
- **Dvory, N. Z.**, Scheuer, N. 2016. A summary of the hydrogeological conditions on the Kiryat Tikshuv site in Be'er Sheva. Etgar Report No. ETHD150804.
- **Dvory, N. Z.**, Zur, G. 2016. A feasibility study for using geophysical methods to estimate groundwater levels. Etgar Report No. ETHD161103.
- **Dvory, N. Z.**, Zur, G. 2016. Preliminary geological report and instructions for further testing for an access road near Jerusalem. Etgar Report No. ETHD161003.
- **Dvory, N. Z.**, Zur, G. 2016. Summary of geotechnical and geohydrological data in the Gaza strip area. Etgar Report No. ETHD160804.
- Egozi, R., Argaman, E., **Dvory, N. Z.**, Tal, G., Ronen, A., Drori, I., Scheuer, N. 2016. Investigation of an unusual flood event – Gilgal and Nativ HaGdud 28-29/10/2015. Etgar Report No. ETHD151105.
- Egozi, R., **Dvory, N. Z.**, Tal, G., Drori, I., Ronen, A. 2016. Investigation of an unusual event – Sirin Plateau 13/04/2016. Etgar Report No. ETHD160407.
- Egozi, R., **Dvory, N. Z.**, Tal, G., Drori, I., Ronen, A. 2016. Summary of an exceptional flooding event - Kishon Basin - January 8th, 2016. Etgar Report No. ETHD160309.
- Egozi, R., **Dvory, N. Z.**, Tal, G., Ronen, A., Drori, I. 2016. Summary of an exceptional flood event in the Ras muakaf Basin - October 27th, 2015. Etgar Report No. ETHD160308.
- Egozi, R., Gutsman, M., **Dvory, N. Z.**, Tal, G., Ronen, A., Drori, I. 2016. Investigation of an unusual flood event – Hamadia and Sde Nahum 25/10/2015. Etgar Report No. ETHD151107.
- Egozi, R., Gutsman, M., **Dvory, N. Z.**, Tal, G., Ronen, A., Drori, I. 2016. Investigation an unusual flood event in the Poleg basin 25-30/10/2015. Etgar Report No. ETHD151201.
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Member, **SPE** – Society of Petroleum Engineers

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Member, **EGU** – European Geophysical Union

Member, **NGWA** – American National Ground Water Association

Member, **IAWR** - The Israeli Association for Water Resources - Israel Hydrological Society

Member, **IGS** – Israel Geological Society