

# DIANA KRUPNIK

Houston, TX 77096 | (713) 408 3861 | dkrupnik@uh.edu

---

## EDUCATION

University of Houston

### PhD in Geology

**GPA: 3.6/4.0**

**Expected: May 2019**

Courses: Carbonate Sedimentology, Remote Sensing, Organic Geochemistry, LiDAR Systems and Applications, Sequence Stratigraphy, Chemostratigraphy, Advanced Structural Geology, GIS for Geologists

**Thesis:** Application of Close-Range Hyperspectral and Terrestrial LiDAR Scanning for Outcrop Characterization

### B.S. Honors in Geology

**Cumulative GPA: 3.3/4.0**

**Aug 2014**

Courses: Introduction to Geographic Information Systems (GIS), Structural Geology, Field Geology, Sedimentary Petrogenesis, Stratigraphy, Introduction to Geophysics, Mineralogy, Petrography, Geologic Field Methods, Paleobiology, Igneous and Metamorphic Petrogenesis

**Honors Thesis:** Hydrocarbon microseepage and geobotanical anomalies

### B.S. in Biology

**Cumulative GPA: 3.25/4.0**

**May 2012**

Courses: Organic Chemistry I & II, Physical Chemistry, Biochemistry, Microbiology, Human Physiology, Cell Biology, Endocrinology, Ecology, Statistics for the Sciences

**Minor:** Chemistry

## EXPERIENCE

University of Houston

Houston, TX

### Teaching Assistant

**August 2014 - present**

Instruct, prepare learning materials, and grade student assignments for the following geoscience laboratory courses:

Paleobiology

Fall 2014, 2015, 2016

Introduction to GIS

Spring 2015, 2016, 2017

Field Geology

Summer 2015, 2016

United States Forest Service/ Geological Society of America

Red Lodge, MT

### Geocorps Intern: Field Geologist/Education Specialist

**May 2017 – August 2017**

Karst inventory and monitoring: compiled a GIS database of geologic, biologic, and cultural resources; conducted assessment and mapping of areas with a high potential for cave occurrence; monitored mining activities and abandoned mine reclamation; prepared reports to document field work and to make management recommendations; gave presentations about regional geology to the general public, developed interpretive geology materials, brochures, and sign display information.

Certified Translators and Interpreters

Houston, TX

### Independent Contractor

**September 2013 – August 2014**

Translated for Russian – speaking patients at various doctor appointments.

University of Houston

Houston, TX

### Undergraduate Research Assistant

**May 2013 – August 2014**

Assisted with geophysical surveys, contributed to website design and maintenance, analyzed remote sensing data, and assisted with environmental science field camp.

University of Houston

Sapelo Island, GA

### Field Technician

**May 2012 – August 2012**

Set up field and laboratory experiments to study the formation of tidal creeks in South Atlantic salt marshes, entered data into excel spreadsheets.

MD Anderson Cancer Center

Houston, TX

## Summer Student

May 2009 – August 2009

Collected and organized patient information and samples for study, processed patient blood samples, assayed patient samples using ELISA, produced figures which summarized experimental results.

## TECHNICAL SKILLS

### Software:

ESRI ArcGIS, ENVI, Matlab, RiSCAN Pro, Adobe Photoshop and Illustrator, Canvas, Microsoft Office

### Geophysical Equipment:

Riegl VZ-400 Terrestrial Laser Scanner, GSSI Ground Penetrating Radar using SIR-3000 and SIR 4000 data acquisition systems, GSSI Electromagnetic Profiler-400 (EMP-400), Trimble GPS

### Water Testing Equipment

HACH DR/890 Colorimeter; HQd Portable Meter with pH, Luminescent Dissolved Oxygen, and Conductivity probes; Geopacks Stream Flowmeter

### Languages

English and Russian- native language; Spanish –intermediate

## PUBLICATIONS AND PRESENTATIONS

**Krupnik, D.** and S. D. Khan, 2017. Hydrocarbon microseepage-related geobotanical analysis in and around oil fields. *The Leading Edge* 36(1), 12-23. <http://dx.doi.org/10.1190/tle36010012.1>

**Krupnik, D.**, Khan, S., Okyay, U., Hartzell, P., Zhou, H.-W., 2016. Study of Upper Albian rudist buildups in the Edwards Formation using ground-based hyperspectral imaging and terrestrial laser scanning. *Sedimentary Geology* 345, 154-167. <http://dx.doi.org/10.1016/j.sedgeo.2016.09.008>

**Krupnik, D.**, Khan, S., Okyay, U., Hartzell, P., Biber, K., 2015. Study of Diagenetic Features in Rudist Buildups of Cretaceous Edwards Formation Using Ground Based Hyperspectral Scanning and Terrestrial LiDAR. In: AGU Fall Meeting. San Francisco, CA

**Krupnik, D.**, & Khan, S., 2014. Hydrocarbon Microseepage and Geobotanical Anomalies. In: AAPG Annual Convention and Exhibition. Houston, TX: AAPG Datapages

Sivina, M., Hartmann, E., Kipps, T.J., Rassenti, L., **Krupnik, D.**, Lerner, S., LaPushin, R., Xiao, L., Huang, X., Werner, L., Neuberg, D., Kantarjian, H., O'Brien, S., Wierda, W.G., Keating, M.J., Rosenwald, A., & Burger, J.A. (2011). CCL3 (MIP-1 $\alpha$ ) plasma levels and the risk for disease progression in chronic lymphocytic leukemia. *Blood*. 117, 1662- 1669. <http://dx.doi.org/10.1182/blood-2010-09-307249>

## AWARDS

Outstanding Graduate Teaching Assistant - Upper Level

**April 2017**

Hess Leader Scholarship

**April 2017**

Graduate Teaching Fellowship

**August 2014 – May 2019**

Murdock Scholarship

**April 2014**

Jane Bartush Field Camp Scholarship

**June 2014**

Chevron Outstanding Achievement in Geology Award

**April 2013**

University of Houston Academic Excellence Scholarship

**August 2008 – May 2012**