

# Faculty Curriculum Vitae

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**NAME:** Dr. Jennifer Lytwyn

**POSITION/TITLE:** College Lecturer

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## **EDUCATIONAL BACKGROUND/TRAINING**

<u>Year</u>	<u>Degree</u>	<u>Institution</u>	<u>Major/Minor</u>
1986-93	Ph.D.	Univ. of Houston, Houston, TX	Geology
1979-82	M.S.	Northern Illinois Univ., DeKalb, IL	Geology
1977-79	B.S.	Northern Illinois Univ., DeKalb, IL	Geol./Chemistry
1974-77	A.S.	Highland Comm. College, Freeport, IL	Science

## **RELEVANT TEACHING EXPERIENCE**

Adjunct Professor, LSC-Kingwood (1/02 to present): Teach lecture and internet courses in Physical and Historical Geology.

Lecturer, University of Houston (9/98 to present): Teach lecture and internet courses in Physical Geology and Earth Systems.

Geoscience Learning Center (8/06 to 5/08): Co-director of the Geoscience Learning Center. Responsibilities include supervising graduate students, organizing help/review sessions in physical and historical geology, and coordinating/leading field trips.

Laboratory Instructor (9/87 to 5/91): Dept. Geosciences, Univ. Houston; Organized and taught laboratory courses in Petrogenesis, Petrography, Mineralogy, Optical Mineralogy, Physical Geology & Historical Geology.

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## ACADEMIC SCHOLARSHIP/RESEARCH/CREATIVE ENDEAVORS

### **Published Papers**

Lytwyn, J.N., 2010. *Remote sensing and GIS investigation of glacial features in the region of Devil's Lake State Park, South-Central Wisconsin, USA*. *Geomorphology*, vol. 123, p. 46-60..

Lytwyn, J.N., Burke, K., and Culver, S.J., 2006. *The nature and location of the suture zone bounding the Rokelide Orogen, Sierra Leone: Geochemical evidence*. *Journal of African Earth Sciences*, vol. 46, p. 439-454.

Kusky, T.M., Ganley, R., Lytwyn, J. and Polat, A., 2004, *The Resurrection Peninsula ophiolite, mélangé, and accreted flysch belts of southern Alaska as an analog for trench-forearc systems in Precambrian Orogens*, in *Precambrian Ophiolites and Related Rocks* (T.M. Kusky, ed.), Elsevier, pp. 627-674.

Lytwyn, J.N., Rutherford, E., Burke, K. and Xia, C., 2001. *The geochemistry of volcanic, plutonic and turbiditic rocks from Sumba, Indonesia*. *Journal of Asian Earth Sciences*, vol. 19(4), p. 481-500.

Rutherford, E., Burke, K. and Lytwyn, J.N., 2001. *Tectonic history of Sumba Island, Indonesia, since the Late Cretaceous and its rapid escape into the forearc in the Miocene*. *Journal of Asian Earth Sciences*, vol. 19(4), p. 453-479.

Lytwyn, J.N., Lockhart, S., Casey, J.F. and Kusky, T., 2000. *Geochemistry of near-trench intrusives associated with ridge subduction, Seldovia Quadrangle, southern Alaska*. *Journal of Geophysical Research*, vol. 105, p. 27,957-27,978.

Lytwyn, J.N., Casey, J.F., Gilbert, S. and Kusky, T., 1997. *Arc-like MORB formed seaward of a trench-forearc system just prior to ridge subduction: an example from subaccreted ophiolites in southern Alaska*. *Journal of Geophysical Research*, vol. 102, p. 10,225-10,243.

Lytwyn, J.N. and Casey, J.F., 1995. *The geochemistry of postkinematic mafic dike swarms and subophiolitic metabasites, Pozanti-Karsanti ophiolite, Turkey: evidence for ridge subduction*. *Geological Society of America Bulletin*, vol. 107, p. 830-850.

Lytwyn, J.N. and Casey, J.F., 1993. *The geochemistry and petrogenesis of volcanics and sheeted dikes from the Hatay (Kizildag) ophiolite, southern Turkey: Possible formation with the Troodos ophiolite, Cyprus, along forearc spreading centers*. *Tectonophysics*, vol. 223, p. 237-272.

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Burke, K. and Lytwyn, J.N., 1993. *Origin of the rift under the Amazon Basin as a result of continental collision during Pan-African time*. International Geology Review, vol. 35, p. 881-897.

Montgomery, C.W. and Lytwyn, J.N., 1984. *Rb-Sr systematics and ages of principal Precambrian lithologies in the South Snowy Block, Beartooth Mountains*. Journal of Geology, vol.92, p 103-112.

## **Special Issues**

Gwalani, L.G. and Lytwyn, J.N. (Editors), 2000, Special Issue on Alkaline and Carbonatitic Magmatism and Associated Mineralization - Part 1. Journal of Asian Earth Sciences, vol. 18(2), p. 123-251.

Gwalani, L.G. and Lytwyn, J.N., (Editors), 2001, Special Issue on Alkaline and Carbonatitic Magmatism and Associated Mineralization - Part 2. Journal of Asian Earth Sciences, vol. 19(3), p. 259-412.

## **Graduate Research**

Lytwyn, J.N., 1993. *Geochemistry and Petrogenesis of Forearc Volcanics and Intrusives Possibly Associated with Ridge Subduction: Examples from the Pozanti-Karsanti and Hatay Ophiolites, Southern Turkey, and Chugach-Prince William Terranes, Southern Alaska*. Ph.D. Dissertation, Univ. of Houston, Houston, TX, 318p.

Lytwyn, J.N., 1982. *Geochemistry and Ages of Precambrian Plutonic Rocks from the Southwest Beartooth Mountains, Yellowstone Park, Wyoming and Montana*. M.S. Thesis, Northern Illinois Univ., DeKalb, IL., 111p.

## **Awards And Certifications**

- (1) Certified in Geographic Information Systems (GIS), Univ. Houston, Houston, TX
- (2) Certified in WebCT, Blackboard, and Angel Learning Platforms
- (3) Adjunct Excellence Award (2003-2004), Kingwood College, Kingwood, TX
- (4) Teaching Assistant of the Year (1991), Dept. Geosciences, Univ. Houston, Houston, TX
- (5) CRC Award in Chemistry (1977), Highland College, Freeport, IL.