University of New Hampshire

Shadi S. Atallah, *Assistant Professor*
Department of Natural Resources and
 the Environment
Department of Economics
56 College Rd
Durham, NH 03824, USA

t. 1-603-862-3233
e. shadi.atallah@unh.edu

2/19/2018

Subject: MSc Research Assistantship in Environmental Economics

The Department of Natural Resources and the Environment (NREN), College of Life Sciences and Agriculture (COLSA) at the University of New Hampshire (UNH) is now accepting applications for a Research Assistantship in Environmental Economics (MSc). Applications will be considered on a rolling basis until April 1, 2018.

The selected student will work on one of two projects related to the economics of aquaponic systems. The first is titled: "Optimizing sustainable aquaponic production using an integrated systems approach." and is funded by the United States Department of Agriculture's National Institute of Food and Agriculture (USDA-NIFA). The second is titled: "Sustainable and cost-effective aquaculture waste-sludge reutilization system based on optimum nutrient management in integrated multitrophic aquaculture and horticulture systems" and is funded by the Northeast Regional Aquaculture Center (NRAC).

The selected student will complete their M.Sc. in Natural Resources: Environmental Economics in the Environmental and Resource Economics (EREC) program in NREN, COLSA. The position includes full tuition, an estimated 9-month academic year base stipend of $18,640 for 2018-2019 and $19,640 for 2019-2020, an additional optional summer stipend (3 months), and health insurance for two years. The official start date for the program and position is August 20, 2018. Summer research assistantship is also available before the official beginning of the position (June or July 2018).

The successful candidate will work directly with Dr. Shadi S. Atallah (EREC/NREN and ECON), Dr. Todd Guerdat (Biological and Agricultural Engineering, Department of Agriculture, Nutrition, and Food Systems) and other UNH faculty members.

Qualifications: The successful applicant must hold a bachelor's degree and be accepted as a graduate student at the University of New Hampshire. **Students must have formal preparation in microeconomic theory, econometrics, and calculus** to succeed in the required coursework for the EREC program. **Coursework in optimization, especially**

multi-objective optimization is highly desirable. Undergraduate degrees in agricultural economics, economics, agricultural sciences, agricultural and biological engineering, and related degrees are most suitable.

Fluency in English is essential to carry-out data collection and communicate with industry stakeholders. Preference will be given to applicants with previous research experience. Other desired qualifications include the ability to work well independently and as part of an interdisciplinary team.

Pre-application screening: Please send the following to Dr. Shadi Atallah by email (Shadi.Atallah@unh.edu): (1) Cover letter describing your interest in one or both research projects above and highlighting the related qualifications; (2) Resume indicating your academic preparation, relevant coursework, and research and work experiences; (3) Contact information for three academic or professional references; and (4) Copy of all undergraduate transcripts (and graduate transcripts, if applicable), GRE scores, and TOEFL scores (if applicable). Review of applications will begin immediately and continue until a suitable candidate is identified.

Application: Candidates who are short-listed will be asked to submit full application materials; see more information at http://www.gradschool.unh.edu/php/pos.php.

As an M.S. student, you can expect a rigorous training in economics and quantitative methods, with courses in the NREN and ECON department, and pursue an interdisciplinary approach to agricultural, resource, and environmental economics, receive support from world-class faculty, personal attention to individual scholastic development, and training for a successful career in the management of agricultural production and natural resources. See more at http://www.nre.unh.edu and http://www.naturalresources.unh.edu/graduate/index_DegReq.

The University of New Hampshire combines the discovery and engagement of a land-grant research institution with the living and learning environment of a New England liberal arts college. The UNH Durham campus has 12,600 undergraduates and 2,200 graduate students. UNH thrives in a diverse, dynamic, and beautiful part of New England. Durham is an hour drive from Boston and an 80-minute train ride from Boston's North Station. It is also conveniently close to the Atlantic Ocean, as well as New Hampshire's rugged White Mountains and pristine Lakes Region. With the University as its centerpiece, Durham provides a classic college town setting. Its downtown merges seamlessly with the campus. Nearby are 2,600 acres of forests, fields, and farmland that UNH maintains for walking, biking, skiing, and exploring.