BIJAN SEYEDNASROLLAH

<https://bnasr.github.io>

[bijan.s.nasr@gmail.com 1295 S. Knoles Dr.](mailto:nasr@gmail.com)

GitHub: [@bnasr PO Box 5693](about:blank)

(919) 599-4380 Flagstaff, AZ 86011

ACADEMIC APPOINTMENTS

**Harvard University**, Department of Organismic and Evolutionary Biology/ 2017 -

**Northern Arizona University**, School of Informatics, Computing, and Cyber Systems

Postdoctoral Research Associate

**Duke University**, Nicholas School of the Environment 2011 - 2017

Doctoral Research and Teaching Assistant

**Research Institute of Petroleum Industry (Iran)**, Department of Energy and Environment 2006 - 2011

Senior Researcher

EDUCATION

**Duke University**, Durham, NC 2017

Ph.D. in Quantitative Environmental Science

Dissertation: “Ecosystem response to a changing climate: vulnerability, impact and monitoring”

Advisor: Dr. Jim Clark

**Sharif University of Technology**, Tehran, Iran 2006

M.Sc. in Mechanical Engineering, Energy Conversion

**University of Semnan**, Semnan, Iran 2003

B.Sc. in Mechanical Engineering, Heat and Fluid Flow

SELECTED PUBLICATIONS

**B. Seyednasrollah**, A. M. Young, K. Hufkens, T. Milliman, M. A. Friedl, S. Frolking, A. D. Richardson, “Tracking vegetation phenology across diverse biomes using PhenoCam imagery: The PhenoCam Dataset v2.0”, Nature Scientific Data, submitted.

**B. Seyednasrollah**, A. D. Richardson, T. Milliman, (2019), “Data extraction from digital repeat photography using xROI: An interactive framework to facilitate the process”, Journal of Photogrammetry and Remote Sensing, accepted.

**B. Seyednasrollah**, J. C. Domec, J. S. Clark (2019) “Spatiotemporal sensitivity of thermal stress for monitoring canopy hydrological stress in near real-time”, Agricultural and Forest Meteorology, Volumes 269270, 15 May 2019, Pages 220-230.

A. D. Richardson, K. Hufkens, T. Milliman, D. M. Aubrecht, M. E. Furze, **B. Seyednasrollah**, M. B. Krassovski, J. M. Latimer, W. R. Nettles, R. R. Heiderman, J. M. Warren, and P. J. Hanson (2018) “Ecosystem warming extends vegetation activity but heightens cold temperature vulnerability”, Nature, Volume 560, pages368371 (2018).

**B. Seyednasrollah**, J. J. Swenson, J. C. Domec, J. S. Clark (2018) “Leaf phenology paradox: why warming matters most where it is already warm”, Remote Sensing of Environment, Volume 209, May 2018, Pages 446-455, ISSN 0034-4257.

J. S. Clark, D. Nemergut, **B. Seyednasrollah**, P. Turner, and S. Zhang (2017). “Generalized joint attribute modeling for biodiversity analysis: Median-zero, multivariate, multifarious data”, Ecological Monographs, 87(1), 34-56.

ACTIVE RESEARCH ROLES



* The lead data scientist of the PhenoCam Network (https://phenocam.sr.unh.edu/) with more than 35 million digital images, processing nearly 1800 site-years of phenological timeseries data.
* Development and maintenance of the Drought Eye interface to monitor drought in near real time, across the US in near real time.