

CURRICULUM VITA

Keshav Prasad Pokhrel

Department of Mathematics and Statistics
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1. Education

Ph.D. – Statistics **August 2013**
University of South Florida, Tampa, FL
Advisor: Dr. Chris P. Tsokos

M.A. – Mathematics **August 2008**
Marshall University, Huntington, WV
Advisor: Dr. Bonita A. Lawrence

M.Sc. – Mathematics **July 2000**
Tribhuvan University, Kathmandu, Nepal

B.Sc. – Mathematics and Physics **June 1997**
Tribhuvan University, Kathmandu, Nepal

2. Teaching and Research Interests

Bayesian Inference, Functional Data Analysis, Survival Analysis, Longitudinal Data Analysis, Extreme Value Distributions, RNA Sequencing Analysis.

3. Employment History

Assistant Professor **September 2015 to present**
Department of Mathematics and Statistics
University of Michigan - Dearborn, Dearborn, Michigan

Assistant Professor **August 2013 to August 2015**
Department of Mathematics and Information Technology
Mercyhurst University, Erie, Pennsylvania

Instructor **August 2012 to June 2013**
Department of Mathematics and Statistics
University of South Florida, Tampa, Florida

5. Research Activities

A. Publications

a) Papers Published or Accepted for Publication in Refereed Journals

- [1] **Pokhrel, K.**, Aryal, G., Kafle, R., Tharu, B., Khanal, N., "McDonald-G Poisson Family of Distributions." Revision submitted, *STATISTICA*, Vol 82, No 2, 2022.
- [2] Tharu, B., **Pokhrel, K.**, Khanal, N., Aryal, G., Kafle, R., "Functional Data Analysis Model to Estimate and Forecast Age Specific Lung Cancer Mortality Trends in the USA", *Communications for Statistical Applications and Methods*, Vol 28, pp119-134, 2021.
- [3] Sharaf, T., Williams, T., Chegade, A., and **Pokhrel, K.**, "BLNN: An R Package for Training Neural Networks Using Bayesian Inference," *SoftwareX*, Vol 11, 2020.
- [4] **Pokhrel, K.**, Sharaf, T., Bhandari, P., and Ghimire, D., "Farm Exit among Smallholder Farmers of Nepal: A Bayesian Logistic Regression Models Approach," *Agricultural Research*, DOI: 10.1007/s40003-020-00465-4, 2020.
- [5] Oelkers, P., and **Pokhrel, K.**, "Four Acyltransferases Uniquely Contribute to Phospholipid Heterogeneity in *Saccharomyces Cerevisiae*," *Lipid Insights*, 9, pp. 31-41, 2016.

B. Research Grants

- [1] "Elucidating the Mechanisms within and Among Enzymes that Coordinate and Regulate Phospholipid acyl Chain Composition," \$468,000, **Pokhrel, K.** (Co-Investigator; project PI Peter Oelkers, University of Michigan-Dearborn), NIH Grant, 1R15GM134389-01, 2019-2022.
- [2] "International Social Survey Program Religion IV Study: Cross National Comparative Study of Religion in Nepal," \$170,196, **Pokhrel, K.** (Statistician; project PI Dirgha Ghimire, University of Michigan, Ann Arbor), Templeton Religion Trust, National Opinion Research Center (NORC), University of Chicago, 2018-2019.

b) Professional Activities

- [1] Organizer- CIMPA summer School in Data Visualization, Modeling and Mathematical Tools(<https://www.anmaweb.org/>), May 15-24, 2023.
- [2] Member- Steering Committee: International Conference on Application of Mathematics to Nonlinear Sciences, Pokhara, Nepal, June 26-28, 2023.
- [3] Advisory Board Member, Association of Nepalese Mathematicians in America, 2020-2022.
- [4] President, Association of Nepalese Mathematicians in America, 2018-2020.

7. Honors and Awards

- "Certificate of Recognition for Outstanding Performance as a Graduate Teaching Assistant," awarded by the Provost at the University of South Florida, 2012.
- "Lee Outstanding Paper Presentation Award," awarded by Florida Chapter of the American Statistical Association at the University of North Florida, Jacksonville, 2012.
- "A.N.V. Rao Endowment Scholarship," awarded by the Department of Mathematics and Statistics, University of South Florida, 2011.