

Curriculum Vita

Ram Prasad Khatiwada, Ph. D.

Professor, Central Department of Statistics,
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Education:

- Ph.D. in Statistics, Tribhuvan University, Nepal. (Bayesian Modeling Approaches on Quality Control).
- M. Sc. in Statistics, Central Department of Statistics, Tribhuvan University, Nepal.
- B. Sc. (Physics, Mathematics, Statistics), Tribhuvan University, Nepal.
- B. Ed. (School Management and Supervision), Tribhuvan University, Nepal.
- I. Sc. (Physics, Mathematics group), Tribhuvan University, Nepal.

Teaching Experiences:

- Professor (2015-...): Central Department of Statistics, Tribhuvan University, Kirtipur.
- Associate Professor: Central Department of Statistics, Tribhuvan University, Kirtipur.
- Lecturer: Central Campus of Technology, Dharan.
- Visiting Faculty (Former):
King's College, Kathmandu; Kantipur College of Medical Sciences, Kathmandu; JF Institute of Health Sciences, Lalitpur; National College of Food Science and Technology, Kathmandu
- Worked as Higher Secondary Mathematics Teacher:
Bharavi Science Academy, Dharan; Bishwa Adarsha College, Itahari; National Academy of Applied Science and Technology, Dharan
- Worked as
Founder/Principal of the Chetana Higher Secondary School, Jhapa;
High School Teacher (Math / Science) at two different schools of Laitpur and Dhading

Professional Responsibilities and Membership:

- Chair, Nepal Statistical Society (formerly General Secretary).
- Former Chair, Faculty Board, Institute of Science and Technology, Tribhuvan University
- Former Chair, Examination Board, IOST, TU
- Former Chair, Mathematical Sciences Subject Committee, TU
- Former Member, Academic Council, Tribhuvan University
- Former Member, Executive Council, Tribhuvan University
- Member, Statistics Subject Committee, IOST, T.U.
- Member, Food Technology Subject Committee, IOST, T.U.
- Member, Network for Quality Productivity and Competitiveness –Nepal (NQPCN)
- Member, International Society of Bayesian Analysis (ISBA)
- Member, Indian Bayesian Society
- Program Co-coordinator, Society for Awareness & Development, (1993)

Subjects taught in past:

Statistics and Probability, Applied Statistics, Biostatistics, Research Methodology, Statistical Quality Control, Total quality Management, Quantitative Techniques and Operations Research.

Research Interest:

Bayesian modeling and Inference, Statistical Quality Control, Reliability, Ecological and Environmental Statistics, Bayesian Biostatistics

Some Papers and Publications:

Research Based Papers:

- Dhamala, M. K., Koirala, M., Khatiwada, R. P., Desai, R. (2021). Bottlenecks in Expanding Science and Technology Education in Nepal: An Exploratory Study. *Education Research International, Hindawi*, 2021(10).
- Bhandary, S., Shrestha, S. L., Khatiwada, R. P. et al (2020). Trend Analysis, Modelling and Impact Assessment of COVID-19 in Nepal. *Journal of the Institute of Science and Technology* 25(2):1-8.
- Subedi, C. K. & Khatiwada, R. P. (2017). A Time Series Analysis on Demand of Electricity in Nepal. *Research and Reviews: Journal of Statistics*, 6(2).
- Tharu, N. K., & Khatiwada, R. P. (2016). Analysis of Earthquake Risk Influencing Factors by Using Logistic Regression Model of RC Frame Buildings. *Research and Reviews: Journal of Statistics*, 5(3).
- Khatiwada, R. P. (2015). Bayesian Methods for Obtaining X-bar Chart: An Application on Food Quality Control. *In Journal of Institute of Science and Technology*, **19** (2).
- Khatiwada R. P. & Sthapit, A. B. (2014). An Application of Gamma-Poisson Hierarchical Model for Modelling Failure to Operation Points for a Canning Process. *STM Journals, Research and Reviews: Journal of Statistics (Special Issue on Recent Statistical Methodologies and Applications)*; Vol (2): 1-7
- Khatiwada, R. P. (2014). Bayesian Modelling by Method of Normal Regression: A Case of Modelling Gluten Content in terms of Protein Content in a Variety of Wheat. *Journal of Institute of Science and Technology*, **19** (1): 121-128
- Khatiwada, R. P. (2013). Bayesian Estimation of the Parameters of Pareto Failure Time Distribution. *Journal of Institute of Science and Technology*, **18** (2): 8-14
- Khatiwada, R. P. (2013). Modelling Porosity of a Rice Variety in terms of Moisture Content and Bulk Density: A Bayesian Approach. *Journal of Institute of Science and Technology*, **18** (1): 21-26
- Limbu, D. K., Khatiwada, R. P. & Koirala, M. (2012). Estimating Population Density of Himalayan Rangeland Weed *Senecio chrysanthemoides* DC. *Our Nature* 10: 1-7
- Khatiwada, R. P. (2010). Analysis of Beta Prior Distribution for an Acceptance Sampling Plan in Food Quality: A Bayesian Approach. *Journal of Institute of Science and Technology*, Vol. XVI.
- Khatiwada, R. P. (2009). An Alternative Simplified Attribute Sampling Plan for Food Product Control. *Journal of the Food Science and Technology*, Vol. V.
- Sthapit, A. B. & Khatiwada, R. P. (2008). An Application of Bayesian Method in Packaged Food Quality Control. *Nepal Journal Science and Technology*, Vol. IX.

Review Style Papers

- Khatiwada, R. P. (2014). Quantification of Uncertainty in a Research work. *Molung Educational Frontier*, **4** (1):110-116
- Khatiwada, R. P. (2013). Exploratory Data Analysis: A Fashionable Method in Statistical Analysis. *Molung Educational Frontier*, **3** (2):126-133
- Khatiwada, R. P. (2010). Why use of an ANOVA is inappropriate everywhere? *Food Wave*, a yearly Bulletin of the NEFTSA.

- Sanjel, H., Sigdel, S., Lama, S. & Khatiwada, R. P. (2010). Six Sigma. (in) *Food Wave*, a yearly Bulletin of the NEFTSA.
- Khatiwada, R. P. (2007). Why Total Quality Management? *Food Wave*, a yearly Bulletin of the NEFTSA.
- Khatiwada, R. P. (2004). Choosing a Topic for research work. (in) *Swarna Jayanti Smarika*, Mahendra Multiple Campus Dharan, 2004.

Reference Books

- Khatiwada, R. P. (2013). *Introduction to Statistical Quality Control and Reliability*. Quest Publication, Kathmandu, Nepal.
- Khatiwada, R. P & Mandal U. K. (2016). *Introduction to Spatial and Survey Technology*. KEC Publication, Kathmandu Nepal
- Khatiwada, R. P., Pradhan, B. L. & Poudyal, N. (2015). *Research Methodology*. KEC Publication, Kathmandu Nepal.
- Khatiwada, R. P., Joshi, L. P., Pradhan, B. L. & Poudyal, N. (2015). *Business Research Methods*. KEC Publication, Kathmandu Nepal

Presentations:

- ‘*An Application of Poisson-gamma Hierarchical Model for Modelling Failure to Operation Points for a Canning Process.*’ a paper presented in ISBA Regional Meeting and International Workshop/Conference on Bayesian Theory and Applications (IWCBTA), organized by DST Centre for Interdisciplinary Mathematical Sciences & Department of Statistics, Banaras Hindu University, Varanasi, India. January 6-10, 2013
- ‘*Modelling Failure to Operation Points for a Canning Process in Fruit Juice Industry: A Bayesian Approach*’ a paper presented on the conference on “Recent Developments in the Reliability Theory and Survival Analysis (NCRSA-2012)” organized by Department of Statistics, Pondicherry University, India, February 2-3, 2012.
- *Taguchi Method: A review as the Performance Measure*. Presentation on the 2nd National conference on Quality, organized by NQPCN, Kathmandu, Nov. 12-13, 2011,
- *Bayesian Approach to Food Quality Control Systems*, A paper presented at 5th International Seminar of Science and Technology, 2008.
- *Modelling Food Data in Bayesian View Point*. A paper presentation at ATP on Bayesian Statistics: Theory and Computations, BHU, India, 2010
- *Statistical Process Control Techniques on Food Research*. 16th International Conference on Quality, organized by Asia Pacific Quality Organisation (APQO), Dhulikhel, Kavre, Nepal, Sep 18-20, 2010.
- *Comparative Study of Nutritional Status of Male and Female Children studying in Kathmandu District*. (poster presentation with H. Guragai and T. B. Karki) in the Silver Jubilee of NEFOSTA, 2010
- Participated in the International Conference on Bayesian Statistics, Varanasi, India, 2005.

Award and Grants:

Ph. D. grants from Nepal Academy of Science and Technology, (NAST)

Date of Birth: October 1, 1962.

Citizenship: Nepali

Marital status: Married

Address (Permanent): Shivasatakshi Municipality -11, Jhapa District, Province 1, Nepal

Address (Current): Suryavinayak Municipality – 4, Bhaktapur District, Bagmati Province, Nepal