

Curriculum Vitae



Ram Prasad Khatiwada, Ph. D.

Personal Information:

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Date of Birth : October 1, 1962. Citizenship : Nepali Marital status : Married Address (Permanent): Satasidham 6, Jhapa District, Mechi, Nepal Address (Current): Balkhu, Kathmandu 14, Kathmandu,	

Education:

- Ph.D. in Statistics, 2011, Central Department of Statistics, T.U., Nepal. On the subject area: Bayesian Modeling Approaches on Quality Control.
 - M. Sc. Statistics, 1993, Central Department of Statistics, Tribhuvan University, Nepal.
 - B. Ed. (1995), (School Management and Supervision), Tribhuvan University, Nepal.
 - B. Sc. (1989), (Physics, Mathematics, Statistics), Tribhuvan University, Nepal.
 - I. Sc. (1986), (Physics, Mathematics group), Tribhuvan University, Nepal
 - S. L. C. (1980), SLC Board-Nepal
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Employment:

- Professor (2015 - ...), Central Department of Statistics, Tribhuvan University, Kirtipur.

Teaching Experiences (Past)

- Reader (2013-2015), Central Department of Statistics, Tribhuvan University, Kirtipur.
- Lecturer (2011-2013), Central Department of Statistics, Tribhuvan University, Kirtipur.
- Lecturer (2001-2011), Central Campus of Technology, Dharan.
- Asst. Lecturer (1993-2001), Central Campus of Technology, Dharan.
- Worked as Visiting Faculty (2011-2015),
 - King's College (affiliated to IAU), Kathmandu; Kantipur College of Medical Sciences, Kathmandu; JF Institute of Health Science, Lalitpur; National College of Food Science and Technology, Kathmandu
- Worked as Higher Secondary Mathematics Teacher(1993-2001):
 - Bharavi Science Academy, Dharan ; Bishwa Adarsha College, Itahari; National Academy of Applied Science and Technology, Dharan (3 years);
- Worked as

– Founder/Principal of Chetana Higher Secondary School, Jhapa; High School Teacher for 7 years in different schools of Laitpur and Dhading Districts

Professional Memberships:

- Member, International Society of Bayesian Analysis (ISBA)
 - Member, Indian Bayesian Society
 - General Secretary, Nepal Statistical Society
 - Former Member, Faculty Board, Institute of Science and Technology, Tribhuvan University
 - Member, Examination Board, IOST, TU
 - Member, Statistics Subject Committee, Institute of Science and Technology, T.U.
 - Member, Food Technology Subject Committee, IOST, T.U.
 - Member, Network for Quality Productivity and Competitiveness –Nepal (NQPC-N)
 - Program Co-coordinator, Society for Awareness & Development, (1993)
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Teaching (Subjects Taught):

At Present:

- Bayesian Inference [M. Sc. (Statistics), III semester]
- Quality Control and Reliability [M. Sc. (Statistics), II semester]

Formerly:

- Statistics and Probability [B. Tech. (Food), BBS, BBA. B. Sc. (CSIT), BE]
 - Statistics I, Statistics II, and Applied Statistics [B. Sc. (Major Statistics)]
 - Biostatistics [B. Pharm., B. P. H., M.P.H., B.Sc. and M.Sc.(Microbiology)]
 - Research Methodology [B. Pharm., B.Sc. and M.Sc.(Microbiology)]
 - Statistical Quality control and Total quality Management [M. Tech. (Food)]
 - Quantitative Techniques and Operations Research [M.B.S. and M. A. (Economics)]
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Trainings:

- Advanced Training Program on Bayesian Statistics: Theory and Computations, Organized by DST centre for Mathematical science, BHU, India. 12-17 January, 2010
 - Research Methodology - using SPSS, 2008, organized IOST, TU
 - Research Methodology Workshop, 2003, organized by IOST, TU
 - Training on Computer Applications, 2002, organized by IOST, TU
 - Teaching Mathematics in Secondary School Level, Basic computer course, 1992
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Research Interests:

Theoretical:

- Bayesian Inference and Bayesian Modeling

Applied:

- (Bayesian) Statistical Quality Control, Sampling Inspection and Reliability
 - Industrial Statistics, Total Quality Management
 - Bayesian Modeling and Inference on Food Sciences
 - Environmental Statistics and Ecology
 - Biostatistics
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Software Skills:

- ‘First Bayes’ software for teaching Bayesian Statistics
 - ‘WinBUGS’ software for Bayesian Inference
 - ‘R’
 - SPSS
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Review:

- Our Nature
- Journal of Research in Peace, Gender and Development, www.teresjounas.org/JRPGD.

Publications:

Research Based Papers

- Khatiwada, R. P. Bayesian Methods for Obtaining X-bar Chart: An Application on Food Quality Control. **In** *Journal of Institute of Science and Technology*, **19** (2), 2015
- 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
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Conference Papers and Workshop 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.
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Research Reports and Activities

- *Nutritional Status of the School Children in the Central Part of Kathmandu Valley – A survey report* presented to Food and Nutrition Awareness Centre (FONAC), Kathmandu
 - *CHULI End-Line Survey Report* –presented to Innovative Research and Development Centre (IRDC), Kathmandu
 - *Assessment of Income Generation Activities in Ultra-poor – A case study of CHULI Program,* presented to Innovative Research and Development Centre (IRDC),
 - *Sample Design for the Youth Mobilization on HIV/AIDS Prevention program,*2007, SADG
 - *Livelihood Empowerment program for marginalized and disadvantage families through Income Generating Activities,* 2007, CEAPR (Involved in project Monitoring).
 - *Sample Design: Fourth Household Budget Survey, 2005'* (Involved for preparing from Central Department of Statistics)
 - *Survey Manual for the Occupational Health and Safety (OHS) 2003,* (SEAM-N) (Involved for preparation)
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Award and Grants:

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