

*Curriculum vitae*  
**Dr. Rabindra Kayastha**  
Associate Professor  
Department of Natural Sciences  
School of Science  
Kathmandu University  
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## Personal

**Date and place of Birth:** July 25, 1968, Bhaktapur-15, Nepal.

**Nationality:** Nepali

**Marital Status:** Married (Son: Pratik)

## Education

Kathmandu University, Dhulikhel, Nepal **PhD in Statistics, 2013**  
**Thesis Title:** *'Biostatistical approaches to study occupational stress among executive officers of Nepal'*.  
Supervisors: Prof. P R Adhikary and Prof. V Krishna Murthy

Kathmandu University, Dhulikhel, Nepal **MPhil in Statistics, 1999**  
**Thesis Title:** *'Some Statistical Aspects of Clinical drug trials'*  
Supervisor: Prof. S Biswas

Tribhuvan University, Kirtipur, Kathmandu, Nepal **MSc in Statistics, 1995**

Tri-Chandra College, Kathmandu, Nepal **BSc in Statistics, 1992**

## Experiences

**Associate Professor**, Department of Natural Sciences, School of Science, Kathmandu University, Nepal, October 2013–

**Assistant Professor**, Department of Mathematical Sciences, School of Science, Kathmandu University, Nepal, October 2004 – October 2013.

**Lecturer**, Department of Mathematical Sciences, School of Science, Kathmandu University, Nepal, February 2000 - October 2004.

### Teaching Assistance

- Research Centre for Educational Innovation and Development (CERID), Tribhuvan University, Nepal, September 1999 - February 2000.
- Department of Mathematics, School of Science, Kathmandu University, October 1997- July 1999.

## Publications

1. **R Kayastha**, V Krishnamurthy, and P R Adhikary. Identifying Occupational Stress Among Executive Officers in Governmental and Non-governmental Organizations of Nepal. *International Journal of Evaluation and Research in Education (IJERE)*. Vol.2, Volume 2, published in September 2013. ISSN: 2252-8822.
2. **R Kayastha**, V Krishnamurthy, and P R Adhikary. Occupational Stress Among Executive Officers of Nepal: Empirical Study. *The international journal's: Research Journal of Social Science & Management – RJSSM*. Volume 2, Number 11, March 2013.
3. **R Kayastha**, P R Adhikary, and V Krishnamurthy. Correlates of Occupational stress among executive officers of Nepal. *International Journal of Research and Reviews in Applied Sciences*. Volume 12, Issue 1, July 2012.
4. **R Kayastha**, P R Adhikary, and V Krishnamurthy: Occupational stress among Managers: A Nepalese survey. *Academic Research International* Vol.2, Number 3 May 2012 pg 585- 590. ISSN-L: 2223-9553, ISSN-L: 2223-9944.
5. **R Kayastha**, P R Adhikary, and V Krishnamurthy. An analytical Study of Occupational Stress on Executive Officers of Nepal. *International Journal of Academic Research in Business and Social Sciences* April 2012, Vol. 2, No. 4. pg 351- 358. ISSN: 2222-6990.
6. **R Kayastha**, V Krishnamurthy and P R Adhikary. Occupational Stress among Higher Secondary Level School Teachers of Nepal: An Empirical Study. *Indian Journal of Movement Education and Exercise Sciences (IJMEES)*, Bi-annual Refereed Journal. Vol. II, N0.1, January-June, 2011. Online ISSN 2249-6246, Print ISSN 2249-5010.
7. D P Kayastha, and **R Kayastha** . A Study of Job Satisfaction among Teachers, Higher Secondary School of Nepal. *International Journal of Evaluation and Research in Education (IJERE)*. Vol.1, No.1, July 2012 pp 41-44. ISSN: 2252-8822
8. D P Kayastha, and **R Kayastha**. A study of occupational stress on job satisfaction among teachers with particular reference to corporate, higher secondary school of Nepal: empirical study. *Asian Journal of Management Sciences & Education*. Vol. 1 No. 2. pg 52-62 July 2012, Online ISSN: 2186-845X, Print ISSN: 2186-8441.
9. D P Kayastha, and **R Kayastha** A Study of Occupational Stress among Teachers, Higher Secondary School of Nepal Empirical Study. *The international journal's:*

*Research Journal of Social Science & Management – RJSSM*. Vol 2, No 3 July 2012.  
pg 46 – 48. ISSN: 2251-1571

10. **R Kayastha** and R P Ghimire, Statistical Aspects of Clinical Trials, Mathematical Sciences and Applications. Asha Memorial Foundation Nepal, 2006, pg 153 – 163.
11. R P Ghimire and **R Kayastha**, Optimal Replacement Policy for  $k - r$ - out - of  $N:G$  Repairable System subject to Random and Common Cause Failure, Mathematical Sciences and Applications. Asha Memorial Foundation Nepal, 2006, pg 71 – 79.
12. G. M. Khan, A. C. Jauhari and **R Kayastha**, A study of Feedback from patients on health and medical care by the pharmacist in Nepal. *A Journal of Nepalgunj Medical college*, 2003. 3:42 – 45.

**International and National Conference / Seminar:**

1. "Factor analysis and principal component analysis concerning to job stress among managers" International Conference on Mathematical Modelling and Applications to Industrial Problems (MMIP2011) during March 28 - 31, 2011, Organized by the Department of Mathematics, National Institute of Technology Calicut, Kerala, India
2. "Work Stress Factors Among Information Systems Professionals In Kathmandu Nepal" International Conference on the Teaching of Mathematical Modelling and Applications, 25 – 29, June, 2007 organized by Kathmandu University, Dhulikhel, Nepal.
3. "An Assessment Of Executive Stress With Particular Reference To Corporate, Industrial And IT Profession" International conference on current trends in industrial and applied Mathematics ICCTIAM07), 16<sup>th</sup> –18<sup>th</sup> January, 2007, Organized by the Department of Applied Mathematics, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara.
4. "Multivariate analysis of factors that contribute to Job Stress". Fourteen annual conference of Gwalior academy of mathematical sciences (GAMS) and symposium on computational Mathematics and its application to engineering, management and biology, organized by the department of applied sciences and humanities IPS College of Technology and Management, Gwalior, July 17-19, 2009
5. "Multivariate analysis of factors that contribute to Job Stress among Managers" The Fifth National Conference on Science and Technology, organized by Nepal Academy of Science and Technology at Kathmandu, Nepal during Nov 10-12, 2009.

6. "Survival Analysis in Clinical Trials" in a Seminar on Mathematical Sciences and Its Applications jointly organized by Central Department of Mathematics Nepal Mathematical Society at Kathmandu, Nepal during Sept. 20 – 21, 2006.
7. "Optimal Replacement Policy for k-r-out-of-N:G Repairable System subject to Random and Common Cause Failure" in a National Conference on Mathematical Sciences and Applications organized by Kathmandu University in collaboration with Nepal Mathematical Society at Dhulikhel, Nepal during Jan 15 – 16, 2006.
8. World Mathematical Year 2000. Organised by World Mathematical Year 2000 National Committee, Nepal National Commission for UNESCO, Minister of Education and Sports; Keshar Mahal, Kathmandu, Nepal.

### **Fellowship**

1. Partial Fellowship from University Grant Commission, Nepal for the study of MPhil Program.

### **Grants**

1. A study of Teacher stress and Job Satisfaction with particular reference to Higher Secondary School of Nepal, supported by University Grant Commission, Nepal (2009).
2. Relation between PM10 Concentration and Meteorological Parameter in the Kathmandu Valley supported by University Grant Commission, Nepal for the study (2006).

### **Others**

1. Participated in the DAAD partnership activities workshop organized by Department of Mathematical Sciences, School of Science, Kathmandu University on "Numerical Methods for Ordinary and Partial Differential Equations" held during September 2-13 at Kathmandu University, Nepal.
2. Participated in three credit course in the field of Industrial Mathematics being taught within the MPhil programme in Mathematics at the Kathmandu University in the Winter Semester 2005: Numerics for Differential Equations and Mathematical Modeling-Heat transfer in a smokeless metal stove.
3. "Post P. G. Instructional Course on Mathematical Modeling" organized by Department of Mathematical Sciences, School of Science, Kathmandu University, Dhulikhel, Nepal, from June 12, 2004 – July 12, 2004.

4. Summer school attended “Analysis of Survey Data, the 56<sup>th</sup> Annual Summer Institute in Survey Research Techniques” organized by the University of Michigan, Ann Arbor, Michigan, USA from June 1, 2003 – July 25, 2003.

### **Membership**

1. Member of Mathematical Subject Committee, School of Science, Kathmandu University, Nepal, July 2002-
2. Life Member of Nepal Mathematical Society
3. Life Member of Gwalior Academy Mathematical Sciences (GAMS), India.

### **Editorial board member/Reviewer for Journals**

1. International Journal of Advanced Computer Science and Information Technology (IJACSIT).
2. International Journal of Innovative Technology & Adaptive Management (IJITAM).
3. International Journal of Sciences: Basic and Applied Research (IJSBAR).
4. The International Journal of Learning, Teaching and Educational Research (IJLTER).
5. Universal Journal of Computational Mathematics.
6. Science Journal of Applied Mathematics and Statistics.
7. American Journal of Theoretical and Applied Statistics.
8. International Journal of Ayurvedic and Herbal Medicine (IAHM).

### **Coordinator**

1. Winter School in Survey Research Techniques:
2. Training Program on “Analysis of survey data and computer analysis of survey data”

### **Resource Person**

1. Training Program on “Analysis of Survey Data by Using SPSS” Organized by the Department of Natural Sciences (Mathematics) Kathmandu University, Dhulikhel.
2. Training Program on “Analysis of Survey Data by Using Epi Info 2002 and Microcal Origin “Organized by the Department of Natural Sciences (Mathematics) Kathmandu University, Dhulikhel

### **Member**

1. Instructional Workshop on Applied Mathematics (IWAM – 2014) organized by Kathmandu University in collaboration with Nepal Mathematical Society, Tribhuvan University(TU) and Nepal Sankrit University(NSU) at Kathmandu University, Dhulikhel.

2. Numerical Methods for Ordinary and Partial Differential Equations (2013) the DAAD partnership activities workshop organized by Department of Mathematical Sciences, School of Science, Kathmandu University on "Numerical Methods for Ordinary and Partial Differential Equations" held during September 2-13 at Kathmandu University, Nepal.
3. CIMPA-UNESCO-NEPAL Research School on Number Theory in Cryptography and Its Applications which was held at Kathmandu University, Dhulikhel from July 19 – 31, 2010.
4. National School on Number Theory and Cryptography (NSNTC 2009) organized by Kathmandu University in collaboration with Nepal Mathematical Society at KUIC, Dhulikhel, from December 26, 2009 – January 05, 2010.
5. National Conference on Mathematical Sciences and Its Applications (NCMSA 2006) jointly organized by Kathmandu University and Nepal Mathematical Society at Dhulikhel from January 15 – 16, 2006.

### **Research**

1. *Health beliefs and Care Seeking Practices* (1999). Research Centre for Educational Innovation and Development (CERID), Tribhuvan University, Nepal.

### **Research Associate**

1. *Secondary Education Development Project* (1999). Research Centre for Educational Innovation and Development (CERID), Tribhuvan University, Nepal.

### **Field Researcher and Research Assistance**

1. *Social Assessment of Educationally Disadvantage Children; A CERID research study* sponsored by DANIDA/BPEP/Nepal. April-June 1997 developed sampling design of the research, developed indicators and helped in development of tools, synthesized data and helped the coordinator in the preparation of synthesis report of 15 individual cases and to develop preliminary write up Case Study for Salyan District.

### **Field Researcher**

1. *An Evaluative Study of Shishu Kakshas [Pre-School];* Report of CERID research project sponsored by UNICEF/Nepal. 1997-Helped the coordinator in analyzing data collected from the field.

## Research Assistance

1. *An analysis of the survey data; The Disabled People of Nepal 1996.* Helped researcher in designing research projects, developing research tools, collecting primary and secondary data for research studies, and analyzing and interpreting data.

## Referees

Dr. V. Krishna Murthy  
PES Institute of Technology,  
Professor and Head  
Department of Biotechnology,  
Bangalore, India.  
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Dr. Pushpa Raj Adhikary  
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Dhulikhel, Nepal.  
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Prof. Shankar P. Khanal, Ph.D. (Biostatistics, AIIMS, New Delhi)  
Central Department of Statistics (CDS)  
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Rabindra Kayastha

## **Courses Taught**

- 1. Math 111 Calculus and Linear Algebra**
- 2. Math 112 Calculus and Algebra**
- 3. Stat 106 Probability and Statistics**
- 4. Stat 116 Probability and Statistics**
- 5. Stat 101 Statistics**
- 6. Math 101 Calculus and Linear Algebra**
- 7. Math 102 Probability and Statistics**
- 8. Math 122 Probability and Statistics**
- 9. Math 206 Statistical Analysis**
- 10. Math 216 Statistical Analysis and its Application**
- 11. MCSC 202 Numerical Methods**
- 12. Math 207 Differential Equation and Complex Analysis**
- 13. Math 208 Probability and Statistics in Engineering**
- 14. Comp 304 Operation Research**
- 15. Math 321 Linear Programming**
- 16. BIOT 501 Applied Statistics**
- 17. MCSC 501 Probability and Statistics**
- 18. MCSE 501 Statistics**
- 19. Data analysis and modeling I**
- 20. Data analysis and modeling II**