

CURRICULUM-VITAE

1. Name : **TIKA RAM ARYAL, Ph.D.**
 2. Present Position : **Professor**, Central Department of Statistics, Tribhuvan University, Kirtipur, Kathmandu, Nepal
 3. Date of Birth : 22 April 1968 (2025-01-10 BS).
 4. Place of Birth : Sirseni VDC-5, Gulmi District, Nepal
 5. Marital Status : Married with two Children.
- 6. Job Position/Working Experience/Research Experience**
- (A). **Professor**- Central Department of Statistics, Tribhuvan University, Kirtipur, Kathmandu, from 2069/12/04 (2013-03-20) to date
 - (B). **Associate Professor**- Central Department of Statistics, Tribhuvan University, Kirtipur, Kathmandu, from 2066/06/02 (2009-09-18) to 2069/12/03 (2013-03-19).
 - (C). **Lecturer**- Central Department of Statistics, Tribhuvan University, Kirtipur, Kathmandu, from 2052/04/11 (1995-07-26) to 2066/06/01 (2009-09-17).
 - (D). **Researcher & Visiting Professor**– Several times since 1993 in different agencies and institutions both national as well as international level.
 - (E) **Chief Editor**- Journal of Institute of Science and Technology, Tribhuvan University, Kirtipur, Kathmandu, Nepal (2013-2016)
- 7. Academic Qualifications**
- Postdoc.** :Postdoctoral Research in the areas of modeling in Demography/Statistics, from the Hitotsubashi University, Tokyo Japan, from 16 Nov. 2005 to 15 Nov. 2007.
- Ph. D.** :Ph.D. in Statistics- Thesis title “**Some Demographic Models and Their Applications with Reference to Nepal**”, The Ph.D. degree awarded in the year 2002, Centre for Population Studies, Department of Statistics, Banaras Hindu University, India.
- M. Sc.** :(a) Master’s Degree in Statistics with specialization in Demography. Passed with Distinction in the year 1992, Central Department of Statistics, T.U., Nepal
:(b) Additional Masteral Degree in Agricultural Statistics and Econometrics. Passed with Distinction in the year 1994, Central Department of Statistics, T.U., Nepal.
- B. Sc.** :Bachelor’s Degree in Science with Major subjects: Statistics, Physics, Mathematics. Passed in First Class First position in the year- 1989, Patan Multiple Campus, T.U., Nepal.
- B. L.** :Bachelor’s Degree in Law with specialization in Population law, Environmental law, Family law, etc. Passed in the year 1994, T.U., Nepal.
- I. Sc.** :Intermediate (10+2) or Proficiency Certificate Level in Science with Major subjects: Physics, Chemistry, Biology and Maths. Passed in the year 1987, Patan Multiple Campus, T.U., Nepal.
- I. A.** :Intermediate (10+2) or Proficiency Certificate Level in Arts with Major subjects: Economics, Maths, Political Science. Passed in the year 1986, T.U., Nepal.
- S.L.C.** :School Leaving Certificate Examination with Major subjects: Science, Maths, Education, English, etc. Passed in the year 1984, SLC Board, Government of Nepal.
- Diploma** : Diploma course in e-learning with specialization on (a) People with a Disability in Modern Society and (b) Health and Environment, in the Year 2008, Biopolitics International Organization, Athens, Greece.
- 8. Awards and Fellowship**
- **JSPS Postdoctoral Research Fellowship**- Awarded by the Japan Society for the Promotion of Science (JSPS), Government of Japan, as a Postdoctoral Researcher at the Institute of Economic Research, Hitotsubashi University, Tokyo, Japan for 24 months (from 2005 to 2007) in 2005.
 - **Doctoral Fellowship** – Awarded by the University Grants Commissions (UGC), government of India, to work at the Department of Statistics, Banaras Hindu University, India, as a Ph.D. Research Scholar for 4 years (from 15th March 1999 to 14th March 2003).
 - Awarded the **Junior Research Fellowship (JRF) and Senior Research Fellowship (SRF)** from the Govt. of India for carrying out Research in the subject of Science in 1998.
 - Received the **Educational Award** in 2005 and 2012 from the Government of Nepal
 - Received the **Intelligent Student Scholarship** from Secondary School up to Master’s Degree Level

9. Research Papers (Published/Accepted/Communicated)

A. Published Research Papers

- Aryal, TR, (Co-authored with Roshan Aryal & M.K. Bhusal), Models for Assessing the Impact of Family Planning on Fertility. *Journal of Institutes of Science and Technology*, Vol. 20, No. 2, pp. 67-72, 2015.
- Aryal, TR, (Co-authored with Roshan Aryal), Ultimate Population Size under Changed Age Specific Fertility Schedule. *Journal of Institutes of Science and Technology*, Vol. 20, No. 1, pp. 138-140, 2015.
- Aryal, TR, Population Projection under Changing Fertility Conditions. *Journal of Institutes of Science and Technology*, Vol. 19, No. 2, pp. 86-88, 2014.
- Aryal, TR, Unwanted Fertility Differentials of Nepalese Mothers. *Journal of Institutes of Science and Technology*, Vol. 19, No. 1, pp. 45-51, 2014.
- Aryal, TR, Tempo-distortions in Fertility: Application of Nepal Demographic Health Survey 2011 Data. *Journal of Institutes of Science and Technology*, Vol. 18, No. 2, pp. 116-120, 2013.
- Aryal, TR, Application of Demographic Models to Investigate Levels, Differentials and Determinants of Fertility of Nepal. *Journal of Institutes of Science and Technology*, Vol. 18, No. 1, pp. 148-156, 2013.
- Aryal, TR. Mathematical Models to Study the Inter-relationship of Migration, Urbanization and Development. *Nepali Mathematical Sciences Report*, Vol. 32, No. 1&2, pp. 79-86, 2012.
- Aryal, TR (Co-authored with CM Paudel), Logarithmic Distribution to Study of the Rural Out-migration. *Perspectives on Higher Education*, Vol. 7, pp. 125-134, 2012.
- Aryal, TR, Health Seeking Behaviours and Health Hazards among Nepalese Elderly. *Peaceworks: An Interdisciplinary Journal*, Vol. 2, Nepal Issue No. 2, pp. 1-26, 2012.
- Aryal TR (Co-authored with CM Paudel), Demographic Models for Describing the Tempo in Fertility. *TU Bulletin Special*, pp. 118-135, 2012.
- Aryal TR. Models to Estimate Fertility of Nepal. *Peace works: An Interdisciplinary Journal*, Vol. 2, Nepal Issue No. 2, pp. 56-63, 2012.
- Aryal, TR (Co-authored with CM Paudel), Probability Model to Describe the Distribution of Infant Deaths. *Yeti: Journal of Mathematics*, Vol. 1, No. 1, pp. 33-44, 2012.
- Aryal, TR, Spatial Diversity of Ageing of Nepal. *Journal of Institute of Science and Technology*, Vol. 17, pp. 50-63, (2011-2012), 2012.
- Aryal, TR (Co-authored with CM Paudel), Care givers' perception on caring elderly of Nepal. *Anushilan*, Vol. 1, No. 1, pp. 77-81, (2069), 2012.
- Aryal, TR (Co-authored with CM Paudel), Application of Statistics in Geological Sciences. *Bulletin of Nepal Geological Society*, Vol. 29, pp. 93-96, April 2012.
- Aryal, TR, Demographic Models to Study the Fertility Transition of Nepal. *Nepalese Journal of Rural Development Studies*, Vol. 9, pp. 114-124, 2011.
- Aryal, TR, Breastfeeding Practices among Nepalese Mothers. *Journal of Health Promotion*, Vol. 4, pp. 29-37, 2011.
- Aryal, TR, Age at menarche and its relation to ages at marriage, first-birth and menopause among rural Nepalese females. *Journal of Science and Technology*, Vol. 12, pp. , December 2011.
- Aryal, TR, Rural out-migration during conflict period: A case of Palpa and Rupandehi districts of Nepal. *Peaceworks: An Interdisciplinary Journal*, Vol. 1, Special Nepal Issue No. 1, pp. 13-28, 2011.
- Aryal, TR, Domestic Violence among Women of Reproductive Age Group. *Right of Women*, Vol. 4, No. 1, pp. 62-65, (2068), 2011.
- Aryal, TR, Socio-Cultural Perspectives of Elderly of Nepal. *Nepalese Journal of Educational Studies*, Vol. 1, No. 1, pp. 127-139, March 2011.
- Aryal, TR (Co-authored with KNS Yadava), Models to describe the pattern of urbanization and economic development of federal Nepal. *Peaceworks: An Interdisciplinary Journal*, Vol. 1, Special Nepal Issue No. 1, pp. 71-76, 2011.
- Inflated geometric distribution to study the distribution of rural out-migrants. *Journal of the Institute of Engineering*, Vol. 8, No. (1&2), pp. 266-268, 2011.
- Aryal, TR (Co-authored with KNS Yadava), Markov Chain Model to Describe the Distribution of Intergenerational Occupational Mobility. *Nepali Mathematical Sciences Report*, Vol. 31, No. 1&2, pp. 51-60, 2011.

- Aryal, TR, Weibull Distribution to Describe the Patterns of the Duration of Post-partum Amenorrhea. *Nepali Mathematical Sciences Report*, Vol. 31, No. 1&2, pp. 107-118, 2011.
- Aryal, TR (Co-authored with CM Paudel), Application of Logarithmic Distribution to Study the Rural Out-migration. *Perspectives on Higher Education*, Vol. 6, pp. 195-200, 2011.
- Aryal, TR, Perception on Ageing and Health among Nepalese Elderly. *Education Quarterly*, Vol. 1, No. 2, pp. 71-74, 2011.
- Aryal, TR, Living Standard and Health Problems of Nepalese Elderly. *Aarthik Sampreshan*, Vol. 3, pp. 30-35, 2011.
- Aryal, TR, Type I Extreme Value Distribution: An Application to Describe the Patterns of Age at Menopause of Nepalese Women. *Epsilon-Delta*, Vol. 6, pp. 17-22, 2011.
- Aryal, TR, Age at Menarche among School Girls: A Case of Palpa and Rupandehi Districts. *Samarpan*, Vol. 1, No. 1, pp. (2068 BS), 2011.
- Aryal, TR, Trends in Ageing Dynamics of Nepal. *Perspective on Higher Education, Journal of the University Campus*, Vol. 4&5, pp. 172-184, 2010
- Aryal, TR, Alternative Technique for the Construction of Menarcheal Life-table, *Nepal Journal of Science and Technology*, Vol. 11, pp. 199-204, 2010.
- Aryal, TR, A New Technique to Construct the Female Marriage Life-table, *Nepali Mathematical Sciences Report*, Vol. 30 (1&2) pp. 111-122, 2010.
- Aryal, TR, Rural-urban Concomitant Factors of Poverty in Nepal. *Nepalese Journal of Rural Development Studies*, Vol. 8. pp. 114-124, 2010.
- Aryal, TR, Socio-demographic Differentials of Post-partum Amenorrhea among Nepalese Mothers: A case of Palpa and Rupandehi Districts. *Journal of Health Promotion*, Vol. 3, pp. 32-38, 2010.
- Aryal, TR, Determinants of Post-partum amenorrhea among Nepalese Rural Mothers: A Multivariate Analysis. *Kathmandu University Medical Journal*, Vol. 8, No. 1, Issue 29, pp. 5-11, 2010.
- Aryal, TR, Maternal Health and Maternal Mortality of Nepalese Mothers. *Right of Women*, Vol. 3, No. 2, pp. 110-116, (2067 BS), 2010.
- Aryal, TR (Co-author with Roshan Aryal), Maternal Health and Maternal Mortality of Nepalese Mothers. *Right of Women*, Vol. 3, No. 2, pp. 129-138, (2067 BS), 2010.
- Aryal, TR, Differentials of Female Age at First Marriage: A case of Palpa and Rupandehi Districts. *Right of Women*, Vol. 3, No. 2, pp. 110-116, (2067 BS), 2010.
- Aryal, TR, Caste-ethnic Perspectives of Ageing of Nepal. *Nepalese Journal of Development and Rural Studies*, Vol. 6 No. 2 pp. 105-118, July-December, 2009.
- Aryal, TR, Mathematical Models to Estimate the Maternal Mortality. *Nepali Mathematical Sciences Report*, Vol. 29, No. (1&2), pp. 117-125, 2009
- Aryal, TR, Estimation of the Duration of Post-partum Amenorrhea among Nepalese Mothers: Some Indirect Techniques. *Nepal Journal of Science and Technology*, Vol. 10, pp. 213-218, 2009.
- Aryal, TR, Socio-demographic Determinants of Poverty in Nepal. *The Economic Journal of Nepal*, Vol. 32, No. 3, pp. 160-176, July-September, 2009.
- Aryal, TR, Elderly population of Nepal: Status and Emerging Issues. *Nepalese Journal of Development and Rural Studies*, Vol.5 No. 2, pp. 88-105, July-December, 2008.
- Aryal, TR, Mathematical Model for Describing the Distribution of Female Age at Marriage in Nepal. *Nepali Mathematical Sciences Report*, Vol. 28 No. 1&2, pp. 21-30, 2008.
- Aryal, TR, Ageing Dynamics of Nepal. *Nepalese Journal of Development and Rural Studies*, Vol.5 No. 1, pp. 102-114, Jan.-June, 2008.
- Aryal, TR, An Indirect Technique to Estimate the Duration of Post-partum Amenorrhea. *Nepal Journal of Science and Technology*, Vol. 8, pp. 137-142, 2008.
- Aryal, TR, Age at First Marriage in Nepal: Differentials and Determinants. *Journal of Biosocial Science*, Vol. 39, part 5, pp. 693-706, 2007.
- Aryal, TR, Post-partum Amenorrhea among Nepalese Mothers. *Journal of Population and Social Studies*, Vol. 16, No. 1, pp. 33-64, July, 2007.
- Aryal, TR, Breast-feeding in Nepal: Patterns and Determinants. *Journal of Nepal Medical Association*, Vol. 46, No. 1, Issue No. 165, pp. 13-19, Jan-March, 2007.
- Aryal, TR, Socio-demographic Differentials of Poverty in Nepal. *Nepalese Journal of Development and Rural Studies*, Vol. 4, No. 1, pp. 108-121, Jan-June, 2007.
- Aryal, TR, An Indirect Technique to Estimate the Duration of Post-partum Amenorrhea. *Nepal Journal of Science and Technology*, Vol. 8, pp. 137-141, 2007.

- Aryal, TR, Differentials of Post-partum Amenorrhea: A Survival Analysis. *Journal of the Nepal Medical Association*, Vol. 46 No. 2, Issue No. 166, pp. 66-73, April-Jun, 2007.
- Aryal, TR, Finite Range Model to Describe the Distribution of Infant Death by Age. *The Nepali Mathematical Sciences Report*, Vol. 27 No. 1&2, pp. 1-9, 2007.
- Aryal, TR, The Fertility Impact of Changes in the Timing of Childbearing in Nepal. *Nepal Journal of Science and Technology*, Vol. 7, pp. 47-52, 2006.
- Aryal, TR, Probability Distributions to Describe the Pattern of Child Loss from a Family. *The Nepali Mathematical Sciences Report*, Vol. 26, No. 1&2, pp. 45-53, 2006.
- Aryal, TR, Trends of Household Welfare of Nepalese People: Evidence from the Panel Data, *Nepalese Journal of Development and Rural Studies*, Vol. 3, No. 2, pp. 94-104, July-December, 2006.
- Aryal, TR, Retrospective Reporting of the Duration of Post-partum Amenorrhea: A Survival Analysis. *Kathmandu University Medical Journal*, Vol. 4, No. 2, Issue 14, pp. 211-217, 2006.
- Aryal, TR, Linkages of Poverty and Socio-demographic Variables in Nepal. *Nepalese Journal of Development and Rural Studies*, Vol. 3, No. 1, pp. 109-124, Jan-June, 2006.
- Aryal, TR, Inter-generational occupational mobility among residents of rural Nepal. *Journal of Institution of Science and Technology*, Vol. 14, pp. 123-135, 2006.
- Aryal, TR, Differentials of Breastfeeding among Rural Women of Western Nepal: A Survival Analysis. *Journal of Nepal Health Research Council*, Vol. 3, No. 2, pp. 58-64, 2005.
- Aryal, TR, Co-authored with Kumar Alok & Singh BP), Age at Menopause among Nepalese Women: Level, Differentials and Determinants. *Journal of Empirical Research in Social Science*, Vol.1, No. 1, pp. 81-96, 2005.
- Aryal, TR, A new Technique to Estimate Fertility from Birth Order Statistics. *Perspectives on Higher Education: Journal of the University Campus*, Vol. 2&3, pp. 71-76, 2005.
- Aryal, TR, A New Technique to Estimate Inter-survey Infant and Child Mortality Rate. *Economic Journal of Development Issues*, Vol. 6, No. 1, pp. January- July, 2005.
- Aryal, TR, Determinants of Rural Out- Migration at Household Level: Logistic Regression Analysis. *The Economic Journal of Nepal*, Vol. 28, No. 3, pp. 167-177, July-September, 2005.
- Aryal, TR, Measurement of Wanted and Unwanted Fertility in Nepal: Pattern and Differentials. *Curriculum Development Journal*, Vol. 23, No. 37, pp.98-103, 2005.
- Aryal, TR, Differentials of Female Age at Marriage in Rural Nepal. *Nepalese Journal of Development and Rural Studies*, Vol. 2, No. 1, pp. 91-95, Jan-June, 2005.
- Aryal, TR, Impact of Family Planning Programs on Fertility: Alternative Methodological Perspectives. *The Economic Journal of Nepal*, Vol. 28, No. 1, pp. 38-44, Jan.-March, 2005.
- Aryal, TR (Co0authored with Yadava, KNS), Age at Menopause among Nepalese Women. *Journal of Population and Social Studies*, Vol. 14, No. 1, pp. 95-114, July 2005.
- Aryal, TR, A Probability Model for Describing the Distribution of Age at Menarche. *Nepal Journal of Science and Technology*, Vol. 6, pp. 47-52, 2005.
- Aryal, TR, Testing the Suitability of Bongaarts Technique in the Context of Fertility Performance in Nepal. *Vision of ECOSS*, Vol. 2&3, No. 2, pp. 19-24, 2005.
- Aryal, TR, Rural Out-migration at Individual Level: Consequences and Differentials. *Nepalese Journal of Development and Rural Studies*, Vol. 2, No. 2, pp. 89-102, July-Dec. 2005.
- Aryal, TR, An Application of Lee's Theory to Study Migration Patterns in Nepal. *The Economic Journal of Nepal*, Vol. 27, No. 2, pp. 103-111, April-June, 2004.
- Aryal, TR, Age at Menarche: Differentials and Determinants. *Journal of Nepal Medical Association*, Vol. 43, No. 152, pp. 71-75, March-April, 2004.
- Aryal, TR, Measures of Fertility From Open Birth Interval Statistics and Their Projections: Methodological Aspects. *Nepalese Journal of Development and Rural Studies*, Vol. 1, No. 2, pp. 111-118, July-December, 2004.
- Aryal, TR, Parity Progression Measures of Fertility in Nepal. *NUTA Journal*, Vol. 3, No. 3 pp. 151-158, December, 2004.
- Aryal, TR, Some Indirect Techniques to Estimate Maternal Mortality in Nepal. *Journal of Population and Social Studies*, Vol. 13, No. 1, pp. 61-76, July, 2004.
- Aryal, TR, A Mixture of Two Displaced Geometric Distributions for Describing the Distribution of the Total Number of Migrants at Micro-level. *The Nepali Mathematical Sciences Report*, Vol. 23, No. 2, pp. 1-8, 2004.

- Aryal, TR, Some Techniques to Estimate Child Mortality in Nepal. *Journal of Institute of Science and Technology*, Vol. 13, pp. 48-61, 2004.
- Aryal, TR, Probability Models for the Number of Rural Out Migrants at Micro Level. *The Mathematical Sciences Report*, Vol. 21, No. 1&2, pp. 9-18, 2003.
- Aryal, TR, Distribution of Distance Associated with Marriage Migration in Rural Nepal. *Curriculum Development Journal*, Vol. 20, No. 34, pp. 100-105, 2002.
- Yadava, KNS and Aryal, TR, A Model Describing the Patterns of Inter-generational Occupational Mobility in Rural Nepal. *Journal of Population and Social Studies*, Vol. 9, No. 2, pp. 35-53, January, 2001.

B. Published Books (Research, Reference and Text book)

- Migration and Occupational Mobility in Nepal, 2008, Paluwa Prakashan, Bagbazzar, Nepal.
- Research Methodology, 2008, Paluwa Prakashan, Bagbazzar, Nepal.
- Nuptiality, 2010, Gyankunja Prakashan, Kathmandu, Nepal.
- Statistics: Fundamental Concepts and Practices, 2010. Vidyarthi Prakashan, Kathmandu, Nepal.
- Biostatistics: For Biological, Medical and Health Sciences, 2011. Pinnacle Prakashan, Kathmandu.
- Mortality, 2011. Published by Madhu Aryal and Distributors Dishanta Parakashan, Kathmandu, Nepal.
- Fertility Dynamics of Nepal, 2011, EKTA Books, Kathmandu, Nepal.
- Reproductive Behaviors, 2012. Published by Roshan & Raman and Distributors Gyankunja Prakashan, Kathmandu, Nepal.
- Quantitative Techniques for Economics, (Jointly) 2012. Welcome Publication, Kathmandu, Nepal.

c. Chapter in the Books/Proceedings

- Aryal, TR. Some Mathematical Models in Demography and Their Applications, Occasional Paper, **Application of Mathematics**, Vol. 2. pp. 1-12, Published by Central Department of Mathematics, Tribhuvan University, Kathmandu Nepal, 2004.
- Aryal, TR and Yadava KNS, Estimation of Child Mortality in Nepal by Using Different Indirect Techniques, in **Science and Technology for 21st Century: Retrospective and Prospects**, Published by Nepal Academy of Science and Technology (NAST), Nepal, 314-, March, 2004.
- Aryal, TR, Fertility Transition in Nepal, in **Science and Technology for 21st Century: Retrospective and Prospects**, Published by Nepal Academy of Science and Technology (NAST), Nepal, 315-, March, 2004.
- Aryal, TR and Yadava KNS, Infant and Child Mortality in Nepal: A Reflection on the Quality of Life, in **Population Stabilization and Development**, Published by Council of Cultural Growth & Cultural Relations, The Universe, Cuttack, India, 10-12, February 2002.
- Aryal, TR and Yadava, KNS, Post-Partum Amenorrhoea in Nepal: Pattern and Differentials, in **Emerging Methodologies of Data Analysis and Related Inferences**, Published by Banaras Hindu University, India, 5-7, February, 2001.

D. Papers prepared for the Seminar/Workshop

- **Pattern of Age at Menopause and Quality of life: Illustrations from Nepal.** International Conference on Southeast Asia's Quality of Life in the New Millennium was held at University of Kebangsaan, Malaysia, during 8-12, November, 2001.
- **A Model Describing the Distribution of Post-partum Amenorrhoea.** Paper- "Workshop of socio-economic context of high fertility in caste/ethnic tribes of Nepal" was held at Kathmandu, during 15-16, April, 2002.
- **Fertility Transition in Nepal: Patterns, Differentials and Determinants**, Population Association of America 2003 Annual Meeting, in Poster Session, was held at Minneapolis, USA, during 1-3, May, 2003.
- **Gender Issues: Data Availability and Used Indicators.** Workshop was held during 22th September 2004, Central Department of Statistics, Tribhuvan University, Kathmandu Nepal, 2004.
- **Some Statistical Investigation for the Study of Demographic Variables and Their Applications**, 55th Session of the International Statistical Institute (ISI) was held in Sydney, Australia, 5-12 April, 2005

- **Post-partum Amenorrhea and Breastfeeding: Patterns, Differentials and Determinants**, Paper-The 10th Annual Meeting of CRDP/Nepal was held Kathmandu during 1-2, August, 2005.
- **Changing Family Attitudes Towards Reproductive Behaviors in Nepal: A Cross-Caste/Ethnic, Socio-economic and Demographic Investigation**, Paper presented on the occasion of the Silver Jubilee of **Global Academy**, was held during 2-3, April, 2005.
- **Impact of Family Planning on Fertility and Unwanted Fertility Level in Nepal**. Annual Conference, Canadian Population Society, York Toronto, Ontario, Canada, during 1-3 June, 2006.
- **Rural Out-migration in Nepal: Differentials and Determinants**. Third International Population Geographies Conference, University of Liverpool, UK, during 19-21 June, 2006.
- **Socio-demographic Determinants of Poverty in Nepal**. Emerging Population Issues in the Asia Pacific Region: Challenges for the 21st Century, organized by the International Institute for the Population Sciences (IIPS), Mumbai, India, during 10-13 December, 2006.
- **Inter-generational Occupational Mobility Patterns among Residents of Rural Nepal**. The 4th International Conference on Population Geographies, Hong Kong, China, during 10-13 July 2007.

E. Unpublished Academic/Research Reports

- **Research Report-** The recent development trend of Higher Education of Nepal, with the support of World Bank, conducted by UGC and Higher Education Project, TU, 2014.
- **Mini-research report-** Application of demographic models for the study of human fertility transition of Nepal, 2013 submitted to UGC.
- **Report on** Sample Survey Design of Fourth Rural credit Survey, 2013, submitted to Nepal Rastra Bank.
- **Report on** Sample Survey Design of Fifth Budget Household Survey, 2012, submitted Nepal Rastra Bank.
- **Report on** the survey of Post-partum Amenorrhea of Nepalese mothers, 2011, conducted submitted to NAMS.
- **Report on** Urban Situation Study of Municipalities of Nepal 2011, submitted to the World Bank.
- **A Report of Endline Survey of Alternative Schooling Program on Dhading and Siraha Districts**, submitted to the JICA/CASP Office, Nepal, 2010.
- A Research Report on Statistical Investigation of Poverty of Nepal, submitted to Central Department of Statistics with the support of CDS in September 2010.
- **A Report of Endline Survey of Dropout Children Survey on Dhading and Siraha Districts**, submitted to the JICA/CASP Office, Nepal, December, 2009.
- A Research Report on Ageing Dynamics of Nepal, submitted to Central Department of Statistics with the support of CDS in December 2009.
- A Research Report on the Differentials and Determinants of Post-partum Amenorrhea among Nepalese Females, submitted to Central Department of Statistics with the support of CDS in November 2011.
- **A Report of Endline Survey of Alternative Schooling Program on Kathmandu District**, submitted to the JICA/CASP Office, Nepal, January 2010.
- **A Report of on the Survey of Private Primary Schools in Dhading, Rasuwa and Selected Areas of Kathmandu Districts**, submitted to the JICA/CASP Office, Nepal, March 2009.
- A Research Report on Rural Out-migration of Nepal, submitted to the Department of Conflicts, Peace and Development Studies with the support of CPDS in December 2011.
- A Research Report on Sample Survey Design for Fifth Household Budget Survey 2069, submitted to the Nepal Rastra Bank with the support of NRB in June 2012.
- **A Report on Reading and Understanding Skills of Grade Two and Four Students of Rupandehi, Baglung and Bhaktapur Districts**, submitted to ROOM to READ Nepal in 2008.
- **A Report of Sample Design of the Fourth Household Budget Survey 2005** submitted to the Central Bank of Nepal, 2005.
- **A Report of Situational Analysis of Alternative Schooling Program on Dhading and Siraha Districts**, submitted to the JICA/CASP Office, Nepal, 2005.
- **A Report of Dropout Children Survey on Dhading and Siraha Districts**, submitted to the JICA/CASP Office, Nepal, 2004.
- **Some Demographic Models and their Applications with Reference to Nepal**, Ph.D. thesis, Banaras Hindu University, India, 2002.

- **Socio-economic and Fertility Transition in Rural Nepal**, Unpublished Report submitted to CRDP/Nepal, 2000.
- **Evaluation of SAFALATAM Program**, Unpublished Report, submitted to UNICEF Office, Nepal 1996.
- **Trends in Sericulture Development in Nepal: A Case Study of Khopasi (in Nepali)**, Unpublished, NDS profile, submitted to Tribhuvan University, Nepal, 1992.
- **Human Rights and Nepalese Constitution**, Unpublished dissertation (in Nepali) submitted to Tribhuvan University, Nepal, 1990.

10. Field and Research Experience

- **Team Member-** The recent development trend of Higher Education of Nepal, with the support of World Bank, conducted by UGC and Higher Education Project, TU, 2014.
- **Principal Investigator-** Application of demographic models for the study of human fertility transition of Nepal, 2070. Financial supports from UGC, Nepal.
- **Sample design and Sampling Expert-** Sample Survey Design of Fourth Rural credit Survey Survey, 2069, conducted by Nepal Rastra Bank.
- **Sampling Expert-** Sample Survey Design of Fifth Budget Household Survey, 2069, conducted by Nepal Rastra Bank.
- **Principal Investigator:** A survey of Post-partum Amenorrhea of Nepalese mothers conducted by NAMS, 2011.
- **Statistician:** Urban situation study of Municipalities of Nepal, conducted jointly by DMI and World Bank, 2010-2011.
- **Principal Investigator:** A survey of Migration during Conflicted Period of Nepal conducted by CDS, 2011.
- **Principal Investigator:** A survey of Poverty Determinants Nepal conducted with the co-operation of Central Department of Statistics, 2010.
- **Statistician: Survey of Private and Public School of Kathmandu, Nuwakot and Dhading**, CASP JICA, 2009
- **Principal Investigator:** A survey of Ageing of Nepal: conducted with the co-operation of Central Department of Statistics, 2009.
- **Statistician:** Endline Survey of Dhading and Siraha, CASP JICA, 2009.
- **Statistician:** Reading and Understanding Skills of Grade Two and Four Students of Rupandehi. Baglung and Bhaktapur Districts- 2008.
- **Co-ordinator:** One week Research Methodology Training was conducted by the Central Department of Statistics, Tribhuvan University, with the support of University Grants Commission, held, June 17 to June 30, 2008.
- **Consultant:** As consultant, involved in the Fourth Family Household Budget Survey 2005, conducted by Nepal Rastra Bank for two months, 2005.
- **Statistician:** Involved in the Fourth Family Household Budget Survey 2005, conducted by the Central Bank of Nepal (Nepal Rastra Bank).
- **Statistician/Researcher-** "A Study Report on Dropout Children Survey in Dhading and Siraha Districts", undertaken jointly by TESON and CASP/JICA conducted from August to December 2004.
- **Statistician/Sociologist-** "A Situation Analysis of Alternative Schooling Programme (School Outreach Programme and Flexible Schooling Programme) in Dhading and Siraha Districts" undertaken jointly by TESON and CASP/JICA conducted from December 2004 to April 2005.
- **Statistician-** Survey of Private Primary Schools in Dhading, Rasuwa and Selected Areas of Kathmandu Districts- JICA Nepal Office, Kathmandu.
- **Principal Investigator** – “Demographic Survey on Fertility and Mobility in Rural Nepal: A study of Palpa and Rupandehi Districts”, Field survey conducted between January & June 2000.
- **Consultant and Co-ordinator** – To design the questionnaires for different surveys and to provide guide lines for coding, editing, processing, analysing and interpreting the data, and preparing the report of the processed data.
- **Supervisor** – Actively participated to the National Censuses of Nepal and supervising to the enumerators and area supervisors for collecting the good information in the Censuses.

11. Extra-Curricular Activities

- **Research Consultant and Resource Person:** As a freelancer consultancy as well as resource person several times in different institutes and agencies both at home and abroad.
- **Advisory Role:** As an Expert in different institutes and agencies both at home and abroad.
- **Chief- Editor** – Journal of the Institute of Science and Technology (JIST), Tribhuvan University, Kirtipur since 2013 to 2016.
- **Standing Statistics Subject Committee Member** – Central Department of Statistics, Institute of Science and Technology, Tribhuvan University, Kirtipur since 2008 to 2014.
- **Statistics Subject Committee Member** – Central Department of Statistics, Institute of Science and Technology, Tribhuvan University, Kirtipur since 2003 to 2015.
- **Examination Board Member-** Institute of Science and Technology, Tribhuvan University, Kirtipur, for two years from 2011-2014.
- **Member** – Member of Professor Residence Committee, Tribhuvan University, Kirtipur Campus, for two years from 2013-2015.
- **Chairperson** - Centre for Research Development Program/Nepal from 1995 to date.
- **Resource Person** – Frequently involved in inter-campus academic & research activities.
- **Organizing Secretary** – Conduct different workshop/seminar/conference etc.
- **Expert/Examiner** – Frequently involved as examiner in the University examination system.
- **Founder Member** - Statistical Association of Nepal, from 1993 to 2008.
- **Founder Member** - Statistical Student Association of Nepal.
- **Founder Member** – KITS Education Foundation.
- **Founded Member** – Innovation Nepal.
- **Member** – Tribhuvan University Teacher Association (TUTA).
- **Member** – Nepal University Teacher Association (NUTA).
- **Member-** A number of different social welfare institutes as well as organizations.

12. Field of Interest

Statistical and Demographical Modeling on Socio-economic, Behavioral, Demographic and Cultural Perspectives (Age at Menarche/Marriage/Menopause, Infant, Child and Maternal Health Care and Mortality, Utilization of Family Planning Services, Breastfeeding, Post-partum Amenorrhea, Urbanization and Mobility Issues, Effect of Migration on Fertility, Mathematical and Statistical Modeling in Demography, Reproductive Health, Behaviors and Inter linkages to Economics and Societies, Status Women and Their Autonomy and Decision Making of Fertility, & Health Issues, Education & Fertility Issues, Population and Its Policy and Their Issues, Gender Issues, Ageing, Elderly Issues, Socio-economic Developmental Issues, Community and Indigenous Issues, Environment and Its Relations to Population, etc).

13. Current Activities: Business Cycle Models on Real Markets (3 Plus year), Ageing Models (1 plus year) and Demographic Models on Migration, Mortality, Nuptiality and Fertility (5 plus year).

14. Mailing Address:

(TIKA RAM ARYAL, Ph. D.)
Central Department of Statistics,
Tribhuvan University, Kirtipur, Kathmandu, Nepal
E-mail: traryal@rediffmail.com & traryal@gmail.com