

CURRICULUM VITAE

Prof. Shankar Prasad Khanal, Ph.D.

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Google scholar citations as of 26th Dec., 2024: 1704,

h-index: 20; **i10 index:** 24

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PERSONAL DETAILS:

Name : **Shankar Prasad Khanal**
Nationality : Nepali
Date of Birth : 31st August 1968(Official); (4th July 1969, exact date)
Marital Status : Married, 1 daughter
Permanent Address : Siddhicharan Municipality - 3, Okhaldhunga
Residential Address : Jamuna Marga - 45/ 17, Kalopool 5, Kathmandu
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EDUCATION:

2010 **Ph.D. in Biostatistics** from Department of Biostatistics, **All India Institute of Medical Sciences (AIIMS) New Delhi -110029, India**
Ph.D. Thesis Title: “Comparison of Cox Proportional Hazards, Parametric Proportional Hazards and Accelerated Failure Time Models in the Survival of Acute Liver Failure”.

Advisors: Prof. Dr. V. Sreenivas, Prof. Dr. S.K. Acharya & Prof. Dr. S.N. Dwivedi

1995 **M.Sc. (Statistics)**, Tribhuvan University (TU), Nepal

1992 **B.Sc. (Statistics, Mathematics & Physics)**, TU, Nepal

RESEARCH INTEREST:

Survival Analysis, Statistical Computing, Data Analysis, Biostatistics, Epidemiology and Public Health

COMPUTER SKILLS:

Sound knowledge in Statistical Software - STATA and SPSS

PROFESSIONAL EXPERIENCE:

27 Dec. 2024 and onwards:

Dean, Institute of Science and Technology (IoST) TU, Nepal

Aug. 2015 - Jan 2020:

Head of Department, Central Department of Statistics, TU, Nepal

March 2013 - **Professor**, Central Department of Statistics, TU, Nepal

2009 – March 2013:

Associate Professor, Central Department of Statistics, TU, Nepal

1997 – 2009: **Lecturer**, Central Department of Statistics, TU, Nepal

1996 – 1997: **Assistant Lecturer**, Shanker Dev Campus, Kathmandu, Nepal

INVOLVMENT IN TEACHING:

Teaching the subject Biostatistics, Meta-Analysis for M.Sc. level students for a long time, and teaching Research Methodology at Ph.D. level students of Institute of Science and Technology, Tribhuvan University since last 7 years.

INVOLVEMENT IN RESEARCH STUDIES:

October 2021 : **Team Leader**, covid-19 impact assessment of underprivileged community people of some wards of Kathmandu Metropolitan City (KMC), Nepal. Grants provided by Chhimeki Sanstha Nepal (CSN), a non-governmental volunteer organization.

August 2018: : **Team Leader**, Baseline Study on Potential Members and Promotion of Occupational Health and Safety of Forest based Sectors in Tanahu and Kaski District of Nepal. Grant provided by Building and Workers International (BWI) Nepal Affiliate Committee Nepal, a volunteer organization.

May 2018 : **Team Leader**, A Study on Service Seekers' Satisfaction on the Programs conducted by Different Offices in Some selected Districts of Nepal under Ministry of Women, Children and Elderly People, Govt. of Nepal for Women, Children, People with disability and Elderly People. Grants provided by Ministry of Women Children and Senior Citizens, Government of Nepal

May-Sept 2015:

Statistical Analyst and Research Methods Advisor, National Initiative to Improve Teaching in English (NIITE). Grants provided by British Council, Nepal

June 2013 –Dec. 2013:

Team Member, Impact Evaluation of Puspa Lal Mid Hill Highway (Eastern Part). Grants provided by SMES2 (JICA) and National planning Commission (NPC), Government of Nepal.

2013 – Jan 2014:

Data Analyst, Teaching for English plus ETTE + Training in Chitwan and Lamjung Districts. Grants provided by British Council, Nepal.

Jan 2012:

Team Leader, Glaucoma Diagnosis in Eye Screening Programs held in the Community (A Statistical Approach). Report submitted to Department of Glaucoma Tilganga Institute of Ophthalmology (TIO), Kathmandu, Nepal.

2011 Sept- May2013:

Team Leader, Identification of Risk Factors of Visual Impairment and Blindness: A Case Study (Statistical Approach) under the Faculty Research Grants funded by University Grants Commission (UGC) Nepal.

2011-2012:

Team Member, Impact Evaluation of Sunsari Morang Irrigation. Grants provided by SMES2(JICA), and National planning Commission(NPC), Government of Nepal.

2010 Nov - Feb 2011:

Team Leader, Action for Social Inclusion of Children affected by Armed Conflict in Nepal (ASIC): Baseline Survey Report. Grants provided by European Union (EU), and ADRA international for ASTHA Nepal, a volunteer organization.

2010 -

Consultant Biostatistician, Tilganga Institute of Ophthalmology (TIO), Kathmandu, Nepal.

2006 – 2010:

Research Associate, Indian Council of Medical Research (ICMR) Head Quarter, Govt. of India, New Delhi, on the research project “A Multicentric Randomized Controlled Clinical Trial of Adefovir, Adefovir + Lamivudine and combination of Adefovir and Glycyrrhizin in HBV related Decompensated Cirrhosis” project of ICMR

INVOLVEMENTS IN SCIENTIFIC JOURNALS:

Founder Editor-in-Chief:

2016 – Jan 2020: Nepalese Journal of Statistics (NJS), CDS-TU

Editor-in-Chief:

2015 – 2019: International Journal of Operational Research Nepal (IJORN)

Editorial Board Member:

Jan 2020: Nepalese Journal of Statistics (NJS), CDS-TU
2021 - Nepal Journal of Mathematical Sciences (NJMS)

Reviewer:

- PLOS ONE
- Indian Journal of Medical Research (IJMR), Indian Council of Medical Research Head Quarter, New Delhi, India.
- Journal of Institute of Science and Technology (JIST), Institute of Science and Technology, Tribhuvan University, Nepal.
- Nepal Journal of Mathematical Sciences(NJMS), Tribhuvan University

PARTICIPATIONS:

Participated as a Resource Person/Trainer:

- 2nd – 4th Aug, 2023 Research Methodology Training for the faculties: **Sampling techniques and estimation of sample size, statistical analysis, use of K-M technique and ROC curves in clinical research**, organized by Tilganga Institute of Ophthalmology (TIO), Kathmandu, Nepal.
- 21st -23rd May, 2023 Workshop on **Scientific Writing and Publication** for university faculties, organized by Nepal University Teachers' Association (NUTA), and supported by University Grants Commission (UGC) Nepal, held at Birendranagar Surkhet, Nepal.
- 3rd – 6th July, 2022 Training workshop on **Research Methodology** for teachers working on Netrawati Community Campus, Dhading, Nepal.
- 9th Dec, 2021 Training workshop on **Systematic Review and Meta-Analysis: A Brief Conceptual Overview**, Organized by Institute of Science & Technology, Tribhuvan University at Bharatpur, Chitwan.
- 5th November 2019: Training Workshop on **Research Methodology: Biostatistics**, jointly organized by Tilganga Institute of Ophthalmology (TIO) and WHO, Kathmandu, Nepal.
- May 22 – 01 June 2017: Training Workshop on **Advanced Biostatistics in Health Research**, organized by Nepal Health Research Council (NHRC) and supported by UNICEF Nepal.
- 27-28 July 2014: Workshop on **Research Methodology**, organized by Central Department of Microbiology, TU Nepal.
- May 21 - 25, 2012: Workshop on **Biostatistics Training for Clinical Faculties** organized by School of Public Health, B.P. Koirala Institute of Health Sciences (BPKIHS), Dharan, Nepal.
- March 21 - 25, 2012: Training on **Statistics and Research Methodology** for legal and administrative officers of Supreme Court organized by Nepal Judiciary, Pulchowk, Kathmandu.

- May 08 - 09, 2008: Workshop on **Advanced Data Analysis** organized by Clinical Epidemiology Unit (CEU), All India Institute of Medical Sciences (AIIMS), New Delhi India.
- February 15 – 18, 2007: Workshop on **Fundamentals of Clinical Research Methodology** organized by CEU, AIIMS, New Delhi, India.

Participated as a trainee:

- 1st August 2024 : Refresher Training on Ethics in Health Research, organized by Tilganga Institute of Ophthalmology (TIO) Gaushala in collaboration with Nepal Health Research Council (NHRC), Kathmandu, Nepal
- 4th -5th August 2022: **Training Workshop on Ethics in Health Research**, organized by Nepal Health Research Council(NHRC) Ramshah Path, Kathmandu in collaboration with Tilganga Institute of Ophthalmology (TIO) Gaushala, Kathmandu, Nepal
- 7th November 2019: Workshop on **Ethics in Health Research**, jointly organized by Tilganga Institute of Ophthalmology (TIO) and WHO, Kathmandu, Nepal
- 6th-15th December: **International Workshop on Sustainable Environment and Energy Development** organized by Biomedical Engineering and Environmental Sciences, National Tsing Hua University, Taiwan
- 13th January 2007: **Nano Technology in Medicine**, Symposium organized by Society of Young Scientists, All India Institute of Medical Sciences(AIIMS), new Delhi, India

PUBLICATION IN MONOGRAPH:

1. **Khanal Shankar Prasad** (2014). Persons with Disability and their Characteristics, Edited Book Chapter in *Population Monograph of Nepal 2014*, Vol. II, Centre Bureau of Statistics, National Planning Commission, Government of Nepal.

PUBLICATIONS IN SCIMAGO SCOPUS INDEXED SJR Rated JOURNALS:

Original Research Papers on Q1 Rated Journals (indexed in the respective publication year):

1. Paudel, S., **Khanal, S. P.**, Gautam, S., Chalise, A., Koirala, T. N., & Marahatta, S. B. (2023). Anxiety and depression among people with type 2 diabetes visiting diabetes clinics of Pokhara Metropolitan, Nepal: a cross-sectional study. *BMJ open*, 13(1), e064490. DOI: <http://dx.doi.org/10.1136/bmjopen-2022-064490>
2. Thapa R, Twyana SN, Paudyal G, **Khanal Shankar**, van Nispen R, Tan S, Thapa SS, Van Rens G. (2018). Prevalence and risk factors of diabetic retinopathy among an elderly

- population with diabetes in Nepal: the Bhaktapur Retina Study. *Clin Ophthalmol.* 23; 12:561-568. DOI: <https://doi.org/10.2147/ophth.s157560>
3. Kumar R, Shalimar, Sharma H, Prakash S, Panda SK, **Khanal Shankar**, Acharya SK (2012). Persistent hyperammonemia is associated with complications and poor outcomes in patients with acute liver failure. *The Clinical Gastroenterology and Hepatology: The official clinical practice journal of the American Gastroenterological Association*, 10(8):925-31. DOI: <https://doi.org/10.1016/j.cgh.2012.04.011>
 4. Kumar R, Shalimar, Sharma H, Goyal R, Kumar A, **Khanal Shankar**, Prakash S, Gupta SD, Panda SK, Acharya SK (2012). Prospective Derivation and Validation of Early Dynamic Model for Predicting Outcome in Patients with Acute Liver Failure. *Hepatology, GUT*, 61(7):1068-75. DOI: <https://doi.org/10.1136/gutjnl-2011-301762>
 5. Thapa SS, Paudyal Indira, **Khanal Shankar**, Twyana SN, Poudyal G, Gurung R, Ruit S, Rens Ger (2012). A population based survey of the prevalence and types of Glaucoma in Nepal - The Bhaktapur Glaucoma Study. *Ophthalmology, American Academy of Ophthalmology*, 119(4):759-764. DOI: <https://doi.org/10.1016/j.ophtha.2011.10.021>
 6. Thapa Suman S, Paudyal Indira, **Khanal Shankar**, Paudel Nabin, Steven L Mansberger, Van Rens G. (2012). Central Corneal Thickness and Intraocular Pressure in a Nepalese Population: The Bhaktapur Glaucoma Study. *Journal of Glaucoma*, 21(7):481-485. DOI: <https://doi.org/10.1097/ijg.0b013e3182182c0f>
 7. Thapa Suman S, Paudyal Indira, **Khanal Shankar**, Paudel Nabin, Van Rens G.(2011). Comparison of axial lengths in occludable angle and angle-closure glaucoma--the Bhaktapur Glaucoma Study. *Optometry and Vision Science: Official Publication of the American Academy of Optometry*, 88(1):150-154. DOI: <https://doi.org/10.1097/opx.0b013e318205e320>
 8. Thapa SS, **Khanal Shankar**, Paudyal Indira, Shankha N Twyana, Sanduk Ruit, Van Rens G. (2011). Outcomes of cataract surgery: a population-based developing world study in the Bhaktapur district, Nepal. *Clinical & Experimental Ophthalmology*, 39(9):851-857. DOI: <https://doi.org/10.1111/j.1442-9071.2011.02576.x>
 9. Kumar Ramesh, Shalimar, Bhatia Vikram, **Khanal Shankar**, Sreenivas V, Datta Gupta S., Panda SK, Acharya SK (2010): Antituberculosis therapy - induced acute liver failure: Magnitude, profile, prognosis, and predictors of outcome. *Hepatology*, 51(5):1665-1674. DOI: <https://doi.org/10.1002/hep.23534> (Available in SJR list in Q1 ranked, 2011)
 10. Acharya SK, Bhatia V, Sreenivas V, **Khanal Shankar**, Panda SK (2009): Efficacy of L-Ornithine L-Aspartate in Acute Liver Failure: A Double-Blind, Randomized, Placebo-Controlled Study. *Gastroenterology*, 136(7):2159-2168. DOI: <https://doi.org/10.1053/j.gastro.2009.02.050> (Available in SJR list in Q1 ranked, 2011)

Original Research Papers on Q2 Rated Journals (indexed on the respective publication year):

1. Thapa R, **Khanal Shankar**, Tan HS, Thapa SS, van Rens G. (2020). Prevalence, Pattern and Risk Factors of Retinal Diseases among an Elderly Population in Nepal: The Bhaktapur Retina Study. *Clin Ophthalmol*. 14 2109–2118.
DOI: <https://doi.org/10.2147/opth.s262131>
Available at: https://www.dovepress.com/article/metric.php?article_id=55610
2. Thapa R, Bajimaya S, Paudyal G, **Khanal Shankar**, Tan S, Thapa SS, Van Rens GHMB. (2018). Prevalence and causes of low vision and blindness in an elderly population in Nepal: the Bhaktapur retina study. *BMC Ophthalmol*. 18:42.
DOI: <https://doi.org/10.1186/s12886-018-0710-9>
3. Thapa R, Bajimaya S, Paudyal G, **Khanal Shankar**, Tan S, Thapa SS, Van Rens G. (2017). Prevalence, pattern and risk factors of retinal vein occlusion in an elderly population in Nepal: the Bhaktapur retina study. *BMC Ophthalmol*, 17:162.
DOI: <https://doi.org/10.1186/s12886-017-0552-x>
4. Thapa R, Bajimaya S, Paudyal G, **Khanal Shankar**, Tan S, Thapa SS, Van Rens G. (2017). Prevalence of and risk factors for age-related macular degeneration in Nepal: the Bhaktapur Retina Study. *Clin Ophthalmol*, 11:963-972.
DOI: <https://doi.org/10.2147/s12886-017-0552-x>
5. Thapa R, Bajimaya S, Paudyal G, **Khanal Shankar**, Tan S, Thapa SS, Van Rens G. (2015). Population awareness of diabetic eye disease and age-related macular degeneration in Nepal: the Bhaktapur Retina Study, *BMC Ophthalmol*. 15, 188.
DOI: <https://doi.org/10.1186/s12886-015-0175-z>
6. Thapa R, Bajimaya S, Bouman R, Paudyal G, **Khanal Shankar**, Tan S, Thapa SS, Van Rens G. (2016). Intra - and inter-rater agreement between ophthalmologist and mid-level ophthalmic personnel to diagnose retinal diseases based on fundus photographs at a primary eye center in Nepal: the Bhaktapur Retina Study, *BMC Ophthalmol*. 16, 112.
DOI: <https://doi.org/10.1186/s12886-016-0295-0>
7. Thapa SS, Thapa R, Paudyal I, **Khanal Shankar**, Aujla J, Paudyal G, Rens Gv(2013). Prevalence and pattern of vitreo-retinal diseases in Nepal: the Bhaktapur glaucoma study. *BMC Ophthalmol*. 13:9. DOI: <https://doi.org/10.1186/1471-2415-13-9>
8. Kumar R, Prakash S, Chhabra S, Singla V, Madan K, Gupta SD, Panda SK, **Khanal Shankar**, Acharya SK (2012). Association of pro-inflammatory cytokines, adipokines & oxidative stress with insulin resistance & non-alcoholic fatty liver disease. *Indian J Med Res*. 136(2):229-236. 22960889; PMCID: PMC3461734.
Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3461734/>
9. Thapa SS, Berg RV, **Khanal Shankar**, Paudyal I, Pandey P, Maharjan N, Twyana SN, Paudyal G, Gurung R, Ruit S, Rens GH(2011). Prevalence of visual impairment, cataract surgery and awareness of cataract and glaucoma in Bhaktapur district of Nepal: The Bhaktapur Glaucoma Study. *BMC Ophthalmol*, 11:2.
DOI: <https://doi.org/10.1186/1471-2415-11-2>

Systematic Review Paper: Q2 Rated Journals (indexed on the respective publication year):

1. Bhusal, Madhav Kumar & **Khanal, Shankar Prasad** (2022). A Systematic Review of Factors Associated with Under-Five Child Mortality. *BioMed Research International*, 2022. DOI: <https://doi.org/10.1155/2022/1181409>

Original Research Papers on Q3 Rated Journals (indexed on the respective publication year):

1. Karki, P., Joshi, Y. P., **Khanal, S. P.**, Gautam, S., Paudel, S., Karki, R., & Acharya, R. (2023). Prevalence and Factors Associated with Occupational Musculoskeletal Disorders among the Nurses of a Tertiary Care Center of Nepal. *International Journal of Occupational Safety and Health*, 13(3), 375-385. DOI: <https://doi.org/10.3126/ijosh.v13i3.51792>
2. Acharya Krishna Prasad, **Khanal Shankar Prasad**, Chhetry Devendra (2022). Factors Affecting Poverty in Nepal-A Binary Logistic Regression Model Study, *Pertanika Journal of Social Sciences and Humanities (PJSSH)*, 30(2). DOI: <https://doi.org/10.47836/pjssh.30.2.12>
3. Bhandari Sanjeeb, Paudyal I, **Khanal Shankar**, Thapa SS (2014). Effect of Phacoemulsification Surgery on various Parameters in Patients with Glaucoma. *Nepal J Ophthalmol*, 6(11):46-55. DOI: <http://dx.doi.org/10.3126/nepjoph.v6i1.10772>

Original Research Papers on Q4 Rated Journals (indexed on the respective publication year):

1. Vaidya Shrestha Marina, Choulagai Bishnu Prasad, Vaidya Abhinav, **Khanal Shankar**, Adhikari Shiva Raj, Pradhan Bandana (2022). Effects of poor water, sanitation, and hygiene on child health in Godawari Municipality, Lalitpur, Nepal, with special reference to diarrheal disease and nutritional status: a cohort study, *Journal of Public Health and Development* Vol.20, No.3. DOI: <https://doi.org/10.55131/jphd/2022/200313>

Original Research Papers indexed on PubMed and NepJOL Indexed Journals:

1. Thapa Raba, **Khanal Shankar**, Tan H.S., Thapa S.S., Van Rens Ger H. M. B.(2022). Prevalence, Associated Factors and Awareness of Hypertensive Retinopathy among an Elderly Population with Hypertension in Nepal: The Bhaktapur Retina Study, *Nepal J Ophthalmol*, Vol 14(27):49-58. DOI: <https://doi.org/10.3126/nepjoph.v14i1.35401>
2. Shrestha Mohan Krishna, Sun Sunjuri, Limbu Ben, Paudel Manish, **Khanal Shankar**, Pradhan Bandana, Shrestha Mangala(2021). Prevalence and Causes of Visual Impairment and Blindness in Three Ecological Regions of Nepal, *Nepal J Ophthalmol*, Vol. 13 (25): 4-12. DOI: <https://doi.org/10.3126/nepjoph.v13i1.29217>
3. Poudel Sudip & **Khanal Shankar** (2020). Magnitude and Determinants of Computer Vision Syndrome(CVS) among IT Workers in Kathmandu, Nepal. *Nepal J Ophthalmol*, Vol 12 (24): 245-251. DOI: <https://doi.org/10.3126/nepjoph.v12i2.29387>

Original Research Papers indexed on NepJOL Two Star Rated Journals:

1. Tamang, S., & **Khanal, S. P.** (2023). Factors Affecting Academic Performance of M. Sc. Level Students at Tribhuvan University. *Nep. J. Stat.*, 7, 19-32. DOI: <https://doi.org/10.3126/njs.v7i1.61055>
2. Acharya, K. P., **Khanal, S. P.**, & Chhetry, D. (2022). On the Use of Logistic Regression Model and its Comparison with Log-binomial Regression Model in the Analysis of Poverty Data of Nepalese *Nep J. Stat.*, 6(01), 63-79. DOI: <https://doi.org/10.3126/njs.v6i01.50806>
3. Acharya, K. P., **Khanal, S. P.**, & Chhetry, D. (2022). Dichotomization of quantitative variables in poverty analysis. *BIBECHANA*, 19(1-2), 142-149. DOI: <https://doi.org/10.3126/bibechana.v19i1-2.46407>
4. Poudel Ravi Kiran & **Khanal Shankar** (2020). Binary Logistic Regression Model for Assessing Factors Associated with Nutritional Status of Children Under Five Years among Chepang Community in Siddi, Chitwan, *Nep. J. Stat.*, 4, 43-56. DOI: <https://doi.org/10.3126/njs.v4i0.33451>
5. **Khanal Shankar**, Sreenivas V., Acharya SK (2019). Comparison of Cox Proportional Hazards Model and lognormal accelerated failure time model: Application in time to event analysis of acute liver failure patients in India. *Nep. J. Stat.*, 3, 21-40. DOI : <https://doi.org/10.3126/njs.v3i0.25576>
6. **Khanal Shankar**, Sreenivas V., Acharya SK (2018). Cox Proportional Hazards Model for Identification of the Prognostic Factors in the Survival of Acute Liver Failure Patients in India. *Nep. J.Stat.*, 2, 53-74. DOI : <http://dx.doi.org/10.3126/njs.v2i0.21155>
7. Yadav SK, Mishra Sheela, Mishra SS, **Khanal Shankar** (2017). New Variance Estimator using Tri-mean and Inter Quartile Range of Auxiliary Variables. *Nep. J. Stat.*, 1, 83-89. DOI: <https://doi.org/10.3126/njs.v1i0.18819>
8. **Khanal Shankar**, Acharya K.P., Uprety Pravat, Shah S.K. (2014). Statistical Modeling on Blindness and Visual Impairment Data. *Journal of Institute of Science & Technology (JIST)*, IOST, TU, 19(1), 1-6. DOI: <http://dx.doi.org/10.3126/jist.v19i1.13818>

Systematic Review Papers: Two Star Rated NepJOL:

1. Shrestha Ishwar Kumar, & **Khanal Shankar Prasad** (2024). Factors associated with time to first birth after marriage: A systematic review, *BIBECHANA*, Vol. 21, No.2, 180-194. DOI: <https://doi.org/10.3126/bibechana.v21i2.62448>
2. Shrestha, I. K., & **Khanal Shankar Prasad** (2023). Systematic Review on Factors Associated with Female Age at Marriage. *Nep. J. Stat*, 7, 67-91. DOI: <https://doi.org/10.3126/njs.v7i1.61058>

Original Research Papers indexed on NepJOL One Star Rated Journals:

3. Acharya Krishna Prasad, **Khanal Shankar Prasad**, & Chhetry Devendra (2024). Consumption Quintile Groups in the Analysis of Poverty and Development Issues, *Nepal Journal of Multidisciplinary Research (NJMR)*, Vol.7, No. 2, 45-56. DOI: <https://doi.org/10.3126/njmr.v7i2.68224>
4. Bhatta Pramod & **Khanal Shankar** (2021). Descriptive Study on Liver Cancer among Alcohol Consumer and smokers, *Nepal Journal of Multidisciplinary Research (NJMR)* Vol 4(2): 18-26. DOI: <https://doi.org/10.3126/njmr.v4i2.38933>

Original Research Papers indexed on NepJOL:

1. Chhetri, R., Bista, B., Pandeya, P., **Khanal, S. P.**, & Neupane, A. (2023). Health Related Quality of Life of Hypertensive Patients attending a Tertiary Level Hospital in Kathmandu. *Journal of Manmohan Memorial Institute of Health Sciences*, 8(1), 11-27. DOI: <https://doi.org/10.3126/jmmihs.v8i1.57267>
2. Khanal, K., & **Khanal, S. P.** (2023). An interview with Professor CR Rao on the occasion of his 100th birthday. *Kathmandu University Journal of Science Engineering and Technology*, 17(2). <https://journals.ku.edu.np/kuset/article/view/136>
3. Khanal Kishor & **Khanal Shankar Prasad** (2022). The Study of Slum Definitions, its Demographic Characteristic and Distribution Patterns in Kathmandu Valley, Nepal, *Nepal Journal of Mathematical Sciences (NJMS)*, Vol.3, No. 1. DOI: <https://doi.org/10.3126/njmathsci.v3i1.44126>
4. **Khanal Shankar** (2012). Analysis of Child Underweight Status in Nepal. *Management Dynamics: A journal of Management and Economics, Nepal*. Vol. 16, No. 2(91-96). ISSN: 2091-0460
5. **Khanal Shankar** (2012). Statistical Modeling on Financial Performance Data: (A Case Study of Employees Provident Fund of Nepal). *Management Dynamics: A journal of Management and Economics, Nepal*. Vol. 16, No. 1(40-43). ISSN: 2091-0460
6. **Khanal Shankar** (2011). Achievements, Challenges and Opportunities of Statistics for Twenty First Century. *Management Dynamics: A journal of Management and Economics, Nepal*. Vol. 15, No. (1), 15-21. ISSN: 2091-0460
7. **Khanal Shankar** (2010). Application of Statistics in Business and Industry. *Management Dynamics: A journal of Management and Economics, Nepal*, Vol. 14, No (1), 13 – 16. ISSN: 2091-0460
8. Shrestha Ganga, **Khanal Shankar** (2007): Impact of Some Demographic Variables on Infant Mortality Rate in Nepal. *Nepal Journal of Science and Technology*, 8: 143 - 146. ISSN: 1994-1412

Original Research Papers published in other Journals:

1. Shrestha, N., Marahatta, S. B., Tamang, S. M., **Khanal, S. P.**, Sharma, N., Yadav, R. K., ... & Pandeya, P. (2023). Prevalence of Overweight and Obesity among Adolescents: A cross-sectional study in urban area of Kathmandu, Nepal. *International*

- Journal of Public Health Asia Pacific*, 2(3), 20-30.
<https://ijphap.com/index.php/home/issue/view/3>
ISSN: 2822-0587
2. Sharma, A., Mishra, D. K., **Khanal, S. P.**, Adhikary, P., babu Marahatta, S., Baral, S., ... & Sharma, N. (2022). Magnitude and associated factors of postnatal care service utilization among postpartum mothers in Banke district, Nepal. *International Journal of Public Health Asia Pacific*, Vol. 01, Issue 01. ISSN: 2822-0587
<https://doi.org/10.62992/ijphap.v1i1.2>
 3. Sharma, N., Marahatta, S. B., **Khanal, S.**, Ranabhat, C., Pandeya, P., Shrestha, N., ... & Bhattarai, I. (2022). Nutritional Status of Elderly Population at Gokarneshwor Municipality, Kathmandu. *International Journal of Health Sciences and Research*, 12(4).
<https://doi.org/10.52403/ijhsr.20220412>, ISSN: : 2249-9571
 4. Pandeya Pawan, Khadka Mishra Durga, **Khanal Shankar**, Joshi Yadav Prasad, Marahatta Sujana Babu, Neupane Arzoo, Chhetri Rashmita, Chaudhari Santaram, Baral Sushila, Deo Neha(2021). Occupational Health Risk among Selected Cement Factory Workers in Dang District of Nepal, *International Journal of Health Sciences and Research*, Vol.11; Issue: 5.
DOI: <https://doi.org/10.52403/ijhsr.20210502>
 5. Chapagain Sharada & **Khanal Shankar** (2017). Statistical Analysis on Time Spent on Internet use by College Students: A Case Study of Butwal Sub-Metropolitan City, Nepal. *Research and Reviews: Journal of Statistics (RRJoST)*. 6(3).
 6. Dhakal Basanta, Sthapit Azaya, **Khanal Shankar** (2017). Factor analysis of local residents' perceptions towards social impact of tourism in Nepal. *International Journal of Statistics and Applied Mathematics*, 2(6): 01-08. ISSN: : 2456-1452
 7. Dhakal Basanta, Sthapit Azaya Bikram, **Khanal Shankar** (2016). Investigating Nepal's Gross Domestic Product from Tourism: Vector Error Correction Model Approach, *American Journal of Theoretical and Applied Statistics*, 2016; 5(5): 311-316, DOI: 10.11648/j.ajtas.20160505.20
 8. Dhakal Basanta, Sthapit Azaya Bikram, **Khanal Shankar** (2016). Relationship between International Tourist and Their Length of Stay towards Share of Gross Domestic Product of Nepalese Tourism: Vector Error Correction Model Approach, *International Journal of Research in Engineering and Applied Sciences (IJREAS)*, 6(8): 35 – 44, Thomson Reuters ID: L-5236-2015.
 9. **Khanal Shankar**, Sreenivas V., Acharya SK (2014). Accelerated Failure Time Models: An Application in the Survival of Acute Liver Failure Patients in India. *International Journal of Science and Research (IJSR)*, 3(6), paper ID: 0201445; 161-166. ISSN: 2319-7064
 10. **Khanal Shankar (2011)**. Official Statistics for Decision making and Evaluation. '*Kosh*', Karmachari Sanchya Kosh, Nepal. Volume: 75, (113 -116).

11. **Khanal Shankar** (2010). Application of Statistics in Business and Industry. *Management Dynamics: A journal of Management and Economics, Nepal, Vol. 14, No (1), 13 – 16.*
12. **Khanal Shankar** (2010). Temporal and Cross-sectional Analysis on School Leaving Certificate (SLC) Results in Gender and Regional Prospective. *NEPSA Digest; Official Journal of Nepal Statistical Association, 57-77.*

List of all published articles are available on the following link:

https://scholar.google.com/citations?hl=en&user=KEef3z0AAAAJ&scilu=&scisig=A M0yFCkAAAAAZcZL8-qmENK9BDAXnwyHSSEeHg&gmla=AH70aAW67ALJh1N602Q32pSg9K5M2S6VoFp7WQgtfAU_uCo6-4zJrQI9h0L5OLcs7xkFdjdteU5hZPsNZY86wsykTAONA77kT3u14IoAYxg&sciun d=17231199994736585689

PUBLISHED BOOKS:

- Sthapit Azaya Bikram, Yadav Rashinder, **Khanal Shankar**, Baidar Praladha (2019). *Probability & Statistics*. Asmita Books Publishers and Distributors, Kathmandu, Nepal. ISBN 978-9937- 687- 6- 0
- Sthapit Azaya Bikram, Yadav Rashinder, **Khanal Shankar**, Prakash Man Dangol (2014). *Applied Statistics*. Asmita Books Publishers and Distributors, Kathmandu, Nepal.
- Sthapit Azaya Bikram, Yadav Rashinder, **Khanal Shankar** (2013). *Fundamentals of Statistics*. Asmita Books Publishers and Distributors, Kathmandu, Nepal, ISBN 978-9937-534-93-2.
- Sthapit, Azaya Bikram, **Khanal Shankar**, Govinda Tamang, pravat Uprety (2011). *Data Analysis & Modeling*. Asmita Books Publishers and Distributors, Kathmandu, Nepal, ISBN 978-9937-534-53-6.
- Sthapit, Azaya Bikram, Yadav, Rasinder Prasad, **Khanal Shankar** (2010). *Business Statistics for Management*. Asmita Books Publishers and Distributors, Kathmandu, Nepal, ISBN 978-9937-534-41-3.

PAPER PRESENTATIONS IN SEMINAR/CONFERENCES:

1. **Khanal Shankar** (2019). Do Correlation and Agreement serve synonymously in a statistical sense? International Conference organized by Operational Research Society of Nepal(ORSN), Hetauda, Nepal
2. **Khanal Shankar** (2017). On the appropriate use of Mann-Whitney test: Revisited. 2nd National Conference on Statistics and its Applications, organized by CDS-TU, Kathmandu, Nepal.

3. **Khanal Shankar** (2014). Statistical Modeling on Blindness and Visual Impairment Data. International Conference on Operations Research at Bharatpur, Chitwan, Nepal organized by Operational Research Society of Nepal.
4. **Khanal Shankar Prasad** (2012). Prognostic Factors for Acute Liver Failure (ALF) Patients use of Accelerated Failure Models. National Conference on Recent Developments in the Applications of Reliability Theory and Survival Analysis, organized by Department of Statistics Pondicherry University, MOSPI, CSIR, ICMR, New Delhi, India.
5. **Khanal Shankar** (2010). Survival analysis focusing on Acute Liver Failure. Talk program organized by Nepal Statistical Association (NEPSA), Kathmandu.
6. Sreenivas V., **Khanal Shankar** & Acharya SK(2008). Prognostic Factors for Acute Liver Failure (ALF): Use of Cox Proportional hazards Model. National Conference on Science and Technology Kathmandu, Nepal
7. **Khanal Shankar** (2006). Temporal and Cross-sectional Analysis on School leaving Certificate (SLC) Results of Nepal. National Seminar/Workshop on Some Applications of Statistics in Development Initiatives with Special Reference to Nepal organized by Central Department of Statistics (CDS), T.U., Kathmandu, Nepal

OTHER RESEARCH ACTIVITIES:

Ph.D. Supervision/Co-supervision:

- Number of Ph.D. completed: 2
- Number of Ph.D. ongoing: 4
- Supervised more than 20 Master's level thesis students in the area of Applied Statistics and Public Health

Served as an external examiner of Ph.D. thesis (Statistics/Biostatistics):

- 2 thesis from All India Institute of Medical Sciences (AIIMS), New Delhi, India
- 1 thesis from Kathmandu University (KU), Dhulikhel, Nepal

PROFESSIONAL ORGANIZATION MEMBERSHIP:

Life Member:

- 2019 - Indian Association for the Study of Population (IASP), India
2019 - Nepal Council of World Affairs (NCWA)
2017- Indian Society for Medical Statistics (ISMS). India
2010 - Nepal Statistical Society (NeSS), Nepal

General Member:

- 2016 - 2019 International Biometric Society (IBS), USA

FELLOWSHIPS, AWARDS, MEDALS & GRANTS:

- 2012: "Nepal Bidhya Bhusan KA" awarded by Honorable President of Nepal on National Education Day, Ministry of Education, Government of Nepal
- 2011-2013: **Faculty Research Grant**, University Grants Commission (UGC), Nepal.
- 2006 –2009: **Ph.D. Fellowship**, University Grants Commission, Nepal.
- 2002: **National Education Award and Medal**, Government of Nepal, Ministry of Education

COMMITTEE SERVICES:

- 2024 August – 26th Dec. 2024:
Member, Food Technology Subject Committee, TU
- 2024 June -
Co-ordinator, *Darbandi Srijana Chhanbin Simitee*, Registrar Office, TU
- 2024 May- 26th Dec. 2024:
Member, Governing Board, School of Mathematical Sciences, Institute of Science and Technology (IoST), TU
- 2022 Sept. – Sept. 2024:
Member, Examination Board, IOST, TU
- 2022 March – 26th Dec. 2024:
Member, Mathematical Sciences Sub-Committee, Nepal Academy of Science and Technology (NAST)
- 2021 - 2023 **Member**, Experts' Team, TU
- 2020 Jan – **Member**, Statistics subject Committee, IOST, TU
- 2020 Jan - **Member**, Department Research Committee, CDS, TU
- 2020 Oct - 2023 **Member**, Faculty Board, School of Science, Kathmandu University
- 2020 – Aug 2024 **Member**, Institute Review Committee (IRC), Institute of Science & Technology (IOST), TU
- 2019 **Member**, Revision and Upgradation of internal Procedure of 2076, **Tribhuvan University Service Commission**
- 2018 **Member**, Task force committee for the report preparation on the provision of conduction of higher education in Nepal affiliated to foreign universities, **Ministry of Education Science & Technology, Govt. of Nepal**
- 2017 - **Member**, Institute Review Committee (IRC), Tilganga Institute of Ophthalmology (TIO), Kathmandu, Nepal
- 2016 - Sept 2020 **Member**, Examination Board, IOST, TU, Nepal
- 2016 - 2018 **Member**, Academic Council, Pokhara University, Nepal
- 2015Aug. - 2021 **Member**, Research Committee, IOST, TU, Nepal

2015 Aug.–2020 Jan: **Chairman**, Department Research Committee (DRC), Statistics Subject Committee, Central Department of Statistics, TU, Nepal

Besides these, being involved in different committees in university level and government level

INVOLVMENTS IN DIFFERENT ACTIVITIES AS A SUBJECT EXPERT:

Involved as a subject expert for evaluation of research reports in UGC Nepal, questions preparation, question moderation, question scrutiny, interview taking at different levels examinations in Tribhuvan University, Public Service Commission Nepal, Tribhuvan University Service Commission, Kathmandu University, Pokhara University, Purbanchal University, Nepal Open University, Rajshree Janak University, etc.