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Specialization

Population Geography

Research Interest

- ❖ Population, health & Social issues
- ❖ Marketing Geography
- ❖ Transport Geography

Professional (Up to 2023)

- ❖ Research Experience: 9 Years
- ❖ Guiding Experience: 6 Years
- ❖ Ph.D Scholar: 5
- ❖ Ph.D Awarded: 2
- ❖ M.Phil Scholar: 2
- ❖ M.Phil Awarded: 2
- ❖ Life Member: Decan Geographer and Hill geographer (Journal)
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Dr. Tamal Basu Roy received his Master of Science and doctoral degree from University of North Bengal, West Bengal, India. Dr. Roy's research interest includes emerging public health and population and social issues, transport connectivity and marketing geography. He has published several research articles during his academic carrier.

Dr. Tamal Basu Roy (M.Sc., Ph.D)
Assistant Professor (Geography)
Raiganj University, West Bengal



Publications

Publication Year 2024 (UP to MAY)

1. Saha, S., Das, P., Das, T., Das, P., & Roy, T. B. (2024). A study about the impact of indoor air pollution on cognitive function among middle-aged and older adult people in India. *Archives of Public Health*, 82(1), 1-11.
<https://doi.org/10.1186/s13690-024-01286-5>
2. Das, P., Das, T., & Roy, T. B. (2024). Investigating key latent factors influencing alcohol consumption among the tribal male adolescents in Dooars region, West Bengal. *Journal of ethnicity in substance abuse*, 1-24.
<https://doi.org/10.1080/15332640.2024.2340540>
3. Das, P., Saha, S., Das, T., Das, P., & Roy, T. B. (2024). Confluence of Newborn's Sex and Their Mother's Characteristics Resulting in Fetal Macrosomia Among Indian neonates. *Pediatrics & Neonatology*.
<https://doi.org/10.1016/j.pedneo.2023.11.008>
4. Das, P., Saha, S., Das, T., Das, P., & Roy, T. B. (2024). Assessing the modifiable and non-modifiable risk factors associated with multimorbidity in reproductive aged women in India. *BMC Public Health*, 24(1), 676.
<https://doi.org/10.1186/s12889-024-18186-6>
5. Das, T., Das, P., & Roy, T. B. (2024). Mediation Effect of Depression, Alcohol Consumption, and Household Food Insecurity to Intimate Partner Violence in Rural Counterparts of Dakshin Dinajpur District, West Bengal. *Global Social Welfare*, 1-11.
<https://doi.org/10.1007/s40609-023-00324-4>

6. Das, P., Das, T., Das, P., & Roy, T. (2024). An association of deficiencies in balanced dietary practices and inadequate iron and folic acid supplement's intake during pregnancy and increasing risk of pre-eclampsia or eclampsia among Indian women. *PLOS Global Public Health*, 4(1), e0001633

<https://doi.org/10.1371/journal.pgph.0001633>

7. Das, P., Saha, S., Das, T., Das, P., & Roy, T. B. (2024). Association of Depression with Widowhood, Loneliness, and Social non-participation among Older Women in India. *Journal of Medicine, Surgery, and Public Health*, 100111.

<https://doi.org/10.1016/j.glmedi.2024.100111>

8. Nad, C., & Basu-Roy, T. (2024). Association between people's attitudes towards human-elephant conflict and their locational, demographic, and socio-economic characteristics in Buxa Tiger Reserve and its adjoining area, India. *Regional Sustainability*, 5(1), 100109.

<https://doi.org/10.1016/j.regsus.2024.03.003>

Publication Year 2023

1. Saha, S., Das, P., Das, T., Das, P., & Roy, T. B. (2023). Synthesizing the risk of morbidities and lifestyle factors on insomnia symptoms among middle-aged and older adult persons in India. *Sleep Science and Practice*, 7(1), 12.

<https://doi.org/10.1186/s41606-023-00092-2>

2. Saha, S., Das, T., Das, P., Das, P., & Roy, T. B. (2023). Examining the risk of substance use and lifestyle factors on cognitive decline among older people in India. *Journal of Public Health*, 1-11.

<https://doi.org/10.1007/s10389-023-02010-3>

3. Roy, T. B., Das, T., Das, P., & Das, P. (2023). Analyzing determinants from both compositional and contextual level impeding desired linear growth of children in Indian context. *BMC nutrition*, 9(1), 69.

<https://doi.org/10.1186/s40795-023-00725-w>

4. Roy, T. B., Das, P., & Das, T. (2024). Unique Contribution of Maternal Factors and Its Association with Anemia Among Under 5 Children in Indian Context. *Global Social Welfare*, 11(1), 45-60. <https://doi.org/10.1007/s40609-023-00289-4>

5. Das, P., Das, T., & Roy, T. B. (2023). Substance Use and Its Association with Risky Sexual Behaviour among Indian Men: A Relative Risk Analysis from Socio-Demographic and Economic Groups. *Psychoactives*, 2(2), 133-143.
<https://doi.org/10.3390/psychoactives2020009>
6. Das, P., Das, T., & Roy, T. B. (2023). Role of proximate and non-proximate determinants in children ever born among Indian women: Change detection analysis from NFHS-3 & 5. *Women and Children Nursing*, 1(1), 9-17.
<https://doi.org/10.1016/j.wcn.2023.03.002>
7. Das, P., Das, T., & Roy, T. B. (2023). Social jeopardy of substance use among adolescents: a review to recognize the common risk and protective factors at the global level. *Psychoactives*, 2(2), 113-132.
<https://doi.org/10.3390/psychoactives2020008>
8. Das, P., Das, T., & Roy, T. B. (2023). A formal appraisal about high-risk sexual behaviour on the pretext of substances use among Indian men. *Journal of Prevention*, 44(2), 207-220.
<https://doi.org/10.1007/s10935-022-00720-0>

Publication Year 2022

1. Das, P., Das, T., & Roy, T. B. (2022). Overweight Syndrome, a Deviation from Normalcy: a Multiple Risk Factor Analysis Among Reproductive Age Group (15–49) Women in Indian Context. *Global Social Welfare*, 1-11.
<https://doi.org/10.1007/s40609-021-00221-8>
2. Das, T., Das, P., & Roy, T. B. (2022). Physical Violence Against Women by Their Partner: A Latent Class Measurement and Causal Analysis from Rural Counterparts of Dakshin Dinajpur District, India. *Global Social Welfare*, 9(4), 229-240.
<https://doi.org/10.1007/s40609-022-00242-x>
3. Das, P., Das, T., & Roy, T. B. (2022). Stunting, a linear growth anomaly in under-five year (U5) children: a risk factors' analysis from maternal, household and individual background in Indian context. *Child Indicators Research*, 15(3), 1025-1042.
<https://doi.org/10.1007/s12187-021-09898-x>

4. Das, T., Das, P., Kundu, P. K., & Roy, T. B. (2022). Individual and parental factors on depressive disorder and its detrimental effects among adolescents and young adults: a study from Bihar state, India. *Clinical Epidemiology and Global Health*, *13*, 100962.
<https://doi.org/10.1016/j.cegh.2022.100962>
5. Nad, C., Roy, R., & Roy, T. B. (2022). Human elephant conflict in changing land-use land-cover scenario in and adjoining region of Buxa tiger reserve, India. *Environmental Challenges*, *7*, 100384.
<https://doi.org/10.1016/j.envc.2021.100384>
6. Nad, C., Basu Roy, T., & Roy, R. (2022). Forest cover health dynamics analysis overtime in and adjoining region of Buxa Tiger Reserve (BTR), India.
<http://ir.nbu.ac.in/handle/123456789/5116>
7. Sarkar, M., Roy, T. B., & Roy, R. (2022). An Assessment Study on Hierarchical Integrity of Road Connectivity and Nodal Accessibility of Maternal Health Care Service Centres in Itahar Block, Uttar Dinajpur District, West Bengal. In *Livelihood Enhancement Through Agriculture, Tourism and Health* (pp. 439-457). Singapore: Springer Nature Singapore.
https://doi.org/10.1007/978-981-16-7310-8_22

Publication Year 2021

1. Das, T., Roy, T. B., & Roy, R. (2021). Reintegration with family and intimate partner violence (IPV) against women among the returnee migrant worker's family during COVID-19 induced lockdown: A Block-level analysis using multinomial logistic regression model. *Children and youth services review*, *130*, 106226.
<https://doi.org/10.1016/j.childyouth.2021.106226>
2. Das, P., Roy, R., Das, T., & Roy, T. B. (2021). Prevalence and change detection of child growth failure phenomena among under-5 children: a comparative scrutiny from NFHS-4 and NFHS-5 in West Bengal, India. *Clinical Epidemiology and Global Health*, *12*, 100857.
<https://doi.org/10.1016/j.cegh.2021.100857>
3. Sarkar, M., Das, T., & Roy, T. B. (2021). Determinants or barriers associated with specific routine check-up in antenatal care in gestational period: A study from EAG states, India. *Clinical Epidemiology and Global Health*, *11*, 100779.

<https://doi.org/10.1016/j.cegh.2021.100779>

4. Das, T., & Roy, T. B. (2021). While inadequate birth interval becomes detrimental to health & nutritional outcome in infant and under-five year children; a systematic review through BLR and CPH model. *Clinical Epidemiology and Global Health, 11*, 100714.
<https://doi.org/10.1016/j.cegh.2021.100714>
5. Adhikari, A. K., & Roy, T. B. (2021). Latent factor analysis and measurement on sustainable urban livability in Siliguri Municipal Corporation, West Bengal through EFA and CFA model. *Computational urban science, 1*(1), 23.
<https://doi.org/10.1007/s43762-021-00023-w>
6. Das, T., & Roy, T. B. (2021) Risk factors associated with under-five mortality of children in empowered action group states and Assam (EAG & Assam), India: Evidence from NFHS-4. *Humanities and Social Science Studies, Vol. 10*(1). ISSN 2319-829X

Publication Year 2020

1. Das, T., & Roy, T. B. (2020). More than individual factors; is there any contextual effect of unemployment, poverty and literacy on the domestic spousal violence against women? A multilevel analysis on Indian context. *SSM-Population Health, 12*, 100691.
<https://doi.org/10.1016/j.ssmph.2020.100691>
2. Das, T., & Roy, T. B. (2020). Use of time-varying and time-constant coefficient in hazard event analysis of girl's child marriage: A study from the empowered action group (eag) states of india. *Children and Youth Services Review, 117*, 105292.
<https://doi.org/10.1016/j.chilyouth.2020.105292>
3. Das, T., & Roy, T.B. (2020) India's Demographic Dividend: Trends, Opportunities and Emerging Challenges. *Socio-Economic Development and Environmental Sustainability: The Indian Perspectiv, ISBN 978-93-90124-61-9*.
4. Das, T., Roy, T.B. & Chouhan Pradip (2020) Covariates of Women Unemployment among Working Age Cohort in Eastern Plain of West Bengal, India: Analysis from National Sample Survey, 68th round Employment and Unemployment Database. *AN INTERNATIONAL JOURNAL OF KOLKATA CENTRE FOR CONTEMPORARY STUDIES (KCCS), ISSN 2278-9758*

M.Phil and Ph.D Guidance Experience

Sl. No	Name of the Scholar	M.Phil/ P.hD	Topic	Year of Award
1.	Chiranjib Nad	P.hD	IMPACT OF NATURAL HABITAT CHANGE ON HUMAN - ELEPHANT CONFLICT: A CASE STUDY OF BUXA TIGER RESERVE (BTR), ALIPURDUAR DISTRICT	2022
2.	Madhurima Sarkar	P.hD	MATERNAL HEALTH CARE CENTRES AND UTILIZATION OF HEALTH CARE SERVICES IN UTTAR DINAJPUR DISTRICT, WEST BENGAL	2023
3.	Amit Kumar Adhikari	P.hD	A GEOSPATIAL ANALYSIS ON URBAN GROWTH AND URBAN LIVABILITY OF SILIGURI MUNICIPAL CORPORATION, WEST BENGAL, INDIA	Submitted (2024)
4.	Bishnu Barman	M.Phil	ROLE OF DEMOGRAPHIC AND SOCIO-ECONOMIC DETERMINANTS ON FERTILITY BEHAVIOUR OF INDIGENOUS TRIBAL POPULATION: A CASE STUDY ON DINHATA- II BLOCK, COOCH BEHAR DISTRICT, WEST BENGAL	2020
5.	Subhendu Basak	M.Phil	DISTRIBUTION ROAD CONNECTIVITY AND PEOPLE'S RESPONSE TO MAJOR RURAL SERVICE CENTRES IN ITAHAR BLOCK, UTTAR DINAJPUR, WEST BENGAL	2022

Note:

I certify that the information I am about to provided is true and complete to the best of my knowledge. I am aware that this self-declaration statement is subject to review and verification and if such information has been falsified I may be terminated from the program for fraud and/or perjury.

Signature