**Brief Curriculum Vitae**

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**Dr. Bishal Diyali**

PhD – Statistics

Central University of Haryana

Mahendragarh, India.

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**Educational Qualifications:**

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| **Examination(Year)** | **Board / University** | **Institution** | **Major Subjects** | **Percentage** | **Grade** |
| Matriculation -  Madhyamik Pariksha (2009) | WBBSE | St. Michaels’ High School Darjeeling | FL–Nepali, SL–English, Mathematics, Physical Sciences, Life Sciences, History, Geography | 70.18 | **A** |
| Higher Secondary - WBHSE (2011) | WBCHSE | St. Roberts’ High School Darjeeling | FL–Nepali, SL–English, Mathematics, Physics, Chemistry, Biology, EVS | 68.04 | **A** |
| B.Sc. (Hons) | Visva Bharati University | Visva Bharati University | Statistics Core, Mathematics Allied, Physics Allied, Tagore Studies, EVE | 65.5 | **A** |
| M.Sc. | Visva Bharati University | Visva Bharati University | Statistics | 68.3 | **A** |

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| **Course** | **Institute/University** | **Date of Joining** | **Date of Registration** | **Topic** | **Status** |
| Ph.D. - Statistics | Central University of Haryana | 13/08/2019 | 10/12/2020 | Study of appropriate lifetime model selection in the presence of censored data | **Awarded**  **(04/07/2024)** |

**Tecahing Experience:**

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| **University/ Institution (Place of Work)** | **From** | **To** | **Academic Rank** | **Job** |
| Department of Statistics, Central University of Haryana, Mahendragarh. | 7 Aug 2019 | 14 Dec 2023 | Research Scholar | Research and Teaching |
| Haldia Institute of Technology, Haldia, West Bengal. | 3 Jan 2024 | 11 Feb 2025 | Assistant Professor | Research and Teaching |

Presented a project titled “***Conflict between Red Panda and Tibetan Mastiff***” at the **17th National Children Science Congress – 2009** with the Focal theme – Planet Earth-our Home: Explore, Share and Care.

* **At District level –** held on 4th November 2009 at St Teresa’s Girls Higher Secondary School, Darjeeling.
* **At State Level –** held on November 21-22, 2009 at Loreto Day School, Sealdah, Kolkata.
* **At National Level –** held on 27th to 31st December, 2009 in Ahmedabad, Gujarat.

**B.Sc. Project:** Analysis on Merchandise Trade of India: Study of trend analysis of exports and imports from different parts of the world with India.

**M.Sc. Project:** BayesianEstimation of P(Y>X) in the Geometric Case: A comparative study between the Lindley approximation and the empirical Bayesian methoid.

**Specialization:** Distribution Theory, Statistical Inference,Time Series Analysis, Multivariate Data Analysis, Order Statistics, Operation Research, Survival Analysis and Statistical Quality Control.

**Programming Skills:** C, R, MS-Excel.

**UGC NET – Population Studies** – merged session for December 2020 and June 2021 held on 29/11/2021-

**Qualified: E-certificate No. – 20D/21J24754, NTA Ref. No. – 210510288153, Roll No. – DL01037753.**

**Publications:**

1. **Diyali, B.**, Kumar, D. and Singh, S. (2024). Discriminating among inverse Weibull, lognormal, and inverse Gaussian distributions - Quality and Reliability Engineering International. 40, 1698--1718. **(Wiley, IF=2.2)**
2. **Diyali, B.**, Kumar, D. and Singh, S. (2024). Discriminating between log-normal and log-logistic distributions in the presence of Type-II censoring. Computational Statistics. 39, 1459--1483. <https://doi.org/10.1007/s00180-023-01351-7> **(Springer, IF=1.4)**
3. Kumar, D., Nassar, M., Dey, S., [A. Elshahhat](https://link.springer.com/article/10.1007/s11223-022-00466-4#auth-A_-Elshahhat-Aff5) and **Diyali, B.** (2022). Analysis of an Inverted Modified Lindley Distribution Using Dual Generalized Order Statistics. *Strength Mater* **54**, 889–904 (2022). <https://doi.org/10.1007/s11223-022-00466-4> **(Springer, IF=0.66)**
4. Chowdhury, R.S., Sarkar, G.M., Sahoo, B. and **Diyali, B.** (2025). Statistical and numerical analysis of the flow of a special third grade fluid driven by a shrinking surface. *European Journal of Mechanics/ B Fluids.* [*https://doi.org/10.1016/j.euromechflu.2025.204275*](https://doi.org/10.1016/j.euromechflu.2025.204275)**(Elsevier, IF=2.5)**
5. **Diyali, B.,** Kumar, D. and Singh, S. On the statistical analysis of discrimination between inverted exponentiated distributions. Statistical Papers. (Under Review)
6. **Diyali, B.,** Kumar, D. and Singh, S. Discriminating lifetime models: a study among inverse family of distributions. Computational Statistics. (Under Review)
7. **Diyali, B.,** Yadav, R.,Kumar, D., Shrahili, M. and Singh, S. Order statistics and classical estimation methods for the power modified Lindley distribution. Statistical Papers. (Under Review)

**Conferences:**

* Presented an article titled – “Constant stress accelerated life test: Different methods of estimation under the exponentiated power Lindley distribution” in an Online International Conference on “Recent advances in Computational Mathematics and Engineering” organized by Department of Applied Sciences and Humanities, B K Birla Institute of Engineering & Technology, Pilani, Rajasthan, India, from 19th to 21st March, 2021.
* Presented a paper entitled “Discriminating among the Lognormal and log-logistic distributions in the presence of type-II Censoring” in the International Virtual Conference on Statistics and Data Science: Theory and Practice for Progress and Prosperity, held during 11th - 13th March 2022, organized jointly by the Department of Statistics, University College of Science, Osmania University, Hyderabad and Indian Society for Probability and Statistics.
* Presented a paper entitled “Understanding Land Surface Temperature of Baramulla District as a function of its Topography during the International Geographical Union (IGU) Thematic Conference, 2022, held during 24th-25th November, 2022 organized by Department of Geography, Central University of Haryana, Mahendragarh, India.
* Presented a poster entitled “Selecting between the generalized inverted Rayleigh and generalized inverted half logistic distributions” during the Fourth Conference on Statistics and Data Science, held at the Federal University of Bahia, Salvador, BA, Brazil (virtual format), on December 1, 2022.
* Presented a paper entitled “Selecting between the lognormal and log-logistic distribution for Type II censored data” during the Eight International Conference on Statistics for Twenty-first Century - 2022 (ICSTC - 2022), organized by School of Physical and Mathematical Sciences and Department of Statistics, University of Kerala, Trivandrum, during 16-19 December 2022.
* Presented a paper entitled “The problem of discrimination between inverse Weibull, lognormal and inverse Gaussian distributions” during Eighth International Conference on “Recent Trends in Statistical Theory andApplications-2023 (WSTA – 2023)”, jointly organized by Department of Statistics, School of Physical & Mathematical Sciences, University of Kerala jointly with Indian Society for Probability and Statistics (ISPS), Kerala Statistical Association (KSA) and Statistics Fraternity Kerala (SFK), during June 29 - July 02, 2023.
* Member of the Organizing Committee, 4th International Conference on Engineering Mathematics and Computing (ICEMC 2024) at Haldia Institute of Technology, Haldia, West Bengal, India during March 07 – March 09, 2024.

**Workshops:**

* Attended Science and Technology Sensitization Programme for Women at Cental University of Haryana, Mahendragarh on November 6 & 7, 2019 jointly organised by the Cental University of Haryana, Mahendragarh and the National Academy of Sciences Allahabad, India.
* Member of the Organizing Committee, One Week Online National Workshop on Statistical Data Analysis using SPSS & R (SDASR), held from 20 – 24 March 2023 organized by the Department of Statistics, Central University of Haryana, Mahendergarh under the Aegis of Azadi Ka Amrit Mahotsav (AKAM).
* Member of the Organizing Committee, One Week Online National Workshop on Applications of Statistical Tools in Data Analysis (ASTDA), held from 21 - 25 March 2022 organized by the Department of Statistics, Central University of Haryana, Mahendergarh under the Aegis of Azadi Ka Amrit Mahotsav (AKAM).
* Participated in the International Workshop on Integrated Approaches of Stochastic Modelling and Data Science for Sustainable Development, held from 7 – 11 September 2022 in conjunction with Diamond Jubilee celebrations (1962-2022) of Department of Statistics, S. V. University, jointly organized with Indian Society for Probability and Statistics (ISPS).
* Participated in the International online workshop on “Basic Statistical Analysis and its Interpretation using SPSS” from September 24th, 25th and 26th organized by Global Institute of Statistical Solutions (GISS).
* Participated in the “Eight International (virtual) workshop on Distribution Theory and its Applications – 2022”, held from 13-15 December 2022 organized by International Statistics Fraternity (ISF), School of Physical and Mathematical Sciences and Department of Statistics, University of Kerala, Trivandrum.
* Attended, “An Advanced Training Program on Bayesian Modelling and Simulation” organized by DST-Centre for Interdisciplinary Mathematical Sciences (CIMS) Institute of Science, Banaras Hindu University, Varanasi during 02-08 January, 2023.

**Faculty Development Programs.**

* Faculty Orientation cum development program 2024 from 15 Apr 2014 to 19 Apr 2024 organized by the School of Allpied Science and Humanities, Haldia Institute of Technology, Haldia, Purba Medinipur, West Bengal – 721657.
* **AICTE Incorporating Universal Human Values in Education from 24 Jun 2014 to 28 Jun 2024 organized by AICTE, India.**