





Birupaksha Biswas

Department of Pathology

Burdwan Medical College, West Bengal, India |

 +919038993358  drbiswasmd@aol.com  [LinkedIn](#)  [ResearchGate](#)

EDUCATION

2026-

Fellowship in Critical Care Medicine, scheduled for one year, by the NHS (Health Education England), the Royal College of Physicians (U.K), accredited by the CPD & e- integrity, with a hands-on learning for three months (Mandatory):

STATUS: ON-GOING

2025-2026

- Certificate of Completion, Three-Months Certification Course in Palliative Care, conducted by the BMJ & Indian Association of Palliative Care (IAPC)
- Certificate of Completion, Six-Months Certification Course in Diabetes, conducted by the Royal College of Physicians (U.K), the BMJ & Fortis Hospital (New Delhi)
- Certificate of Completion, Three-Months Certification Course in Chronic Kidney Disease, conducted by the Royal College of Physicians (U.K), the BMJ & Manipal Academy of Higher Education (MAHE)

2019 -2022

Doctor of Medicine (MD)

Department of Pathology

Burdwan Medical College, West Bengal, India

Dissertation Title: A Prospective Study of the Clinico - Pathology Correlation in the CT - Guided Fine Needle Aspiration Cytology (FNAC) of lung tumors'

- Certificate of Completion, Lessons Learned from Around the World in Dealing with COVID-19, conducted by Harvard Medical School.

2011 - 2017

Bachelor of Medicine and Bachelor of Surgery (M.B.B.S)

College of Medicine & Sagore Dutta Hospital, Kolkata, West Bengal, India

RESEARCH INTEREST

- Stem Cell Research
- Hematopathology
- Clinical Pathology
- Molecular Oncology
- Oncotherapeutics
- Critical Care Medicine
- Geriatric Medicine
- Non-Communicable & Communicable Diseases

RESEARCH EXPERIENCE

Key Research Domains & Contributions

1. Oncopathology & Precision Oncology

- Conducted multimodal studies on lung tumors, mediastinal masses, ovarian germ cell tumors, and endocrine neoplasia.
- Integrated morphology with molecular diagnostics to refine tumor classification, staging, and therapeutic targeting.
- Contributed to evolving frameworks in genotype-phenotype correlation and precision oncology.

2. Hematopathology & Biomarker Research

- Investigated β 2-microglobulin as a prognostic biomarker in multiple myeloma across disease stages.
- Conducted comparative clinical studies on erythropoiesis-stimulating agents (EPO vs Desidustat) in CKD-associated anemia.
- Explored platelet indices and endocrine interactions, contributing to translational hematology.

3. Pulmonary & Forensic Pathology

- Performed retrospective morpho-etiological analysis of diffuse alveolar damage ($n \approx 150$ autopsy cases).
- Correlated histopathological findings with clinical, environmental, and forensic determinants.
- Advanced understanding of ARDS spectrum pathology and medicolegal implications.

4. Systematic Reviews & Evidence Synthesis

- Authored multiple PRISMA-compliant systematic reviews in high-impact domains, including:
 - Stem cell therapy in diabetic foot ulceration
 - Nanotechnology in forensic diagnostics
 - CNS tuberculosis (clinicopathological + molecular integration)
 - VEGF pathway dysregulation in diabetic nephropathy
- Synthesized multidisciplinary evidence into clinically actionable insights.

5. Regenerative Medicine & Translational Therapeutics

- Investigated stem cell-based regenerative strategies in chronic wound healing.
- Integrated surgical, molecular, and pharmacological approaches for therapeutic innovation.

6. Digital Pathology & Data-Driven Medicine

- Implemented whole-slide imaging and computational pathology workflows.
- Utilized laboratory information systems (LIS) for structured data analysis and research integration.
- Contributed to AI-driven healthcare models, including predictive and organizational analytics.

7. Research Output & Academic Impact

- Publications: 70+ peer-reviewed articles (original research, systematic reviews, multidisciplinary studies)
- Books & Chapters: 10+ academic books; multiple indexed chapters
- Conference Contributions: International presentations, keynote lectures, and webinars
- Research Methodologies: Prospective studies, retrospective analyses, cross-sectional studies, systematic reviews

ACADEMIC EXPERIENCE

Researcher and Clinical Pathologist (September 2024- Present)

Department of Pathology

Kakdwip Superspeciality Hospital, West Bengal, Kolkata

Researcher and Clinical Pathologist (January 2019 - September 2024)

Department of Pathology

Burdwan Medical College, West Bengal, India

TECHNICAL SKILLS

- Expert in interventional Pathology.
- Sample collection - From the grossing of a specimen to the use of advanced Radiological tools like the CT scan & MRI scans with precision. This includes both the live & cadaveric cohort.
- Use of Immunohistochemistry (IHC) to aid in the precise diagnosis, grading, staging & predicting response to treatment in patients with different diseases with a special reference to neoplasm.
- Cytogenetics - Karyotyping, FISH, Chromosomal analysis in Cancer biology & other relevant diseases.
- Digital Pathology - Whole slide imaging & analysis of the image.
- Laboratory Information systems with precise data management.
- Deciphering / Interpreting Genomics & Proteomics with a special reference to biomarkers.
- Microscopy & Histopathology with a special reference to Neoplasia & auto - immune disorders

PROFESSIONAL AFFILIATIONS

- Doctor of Medicine (MD) in Clinical & Interventional Pathology with journal contributions in different spheres of Medicine as enlisted in Superspeciality & Multispeciality Hospitals.
- Active Member, European Hematology Association (Membership number: 3004741)
- Member (Annual), Asian Society of Digital Pathology
- Member (Editorial Board), Deep Science Publishing

LIST OF PUBLICATIONS

Books:

1. **B. Biswas**, *A Comprehensive Guide To Biopsy Contraindications And Risk Mitigation In Clinical Practice*, Forever Shinings, 2025, ISBN: 978-93-7406-516-7
2. **B. Biswas**, *Interdisciplinary Pathways: Advancing Knowledge in Life Sciences and Healthcare*, i Interdisciplinary Pathways: Advancing Knowledge in Life Sciences and Healthcare, Chyren Publication, 2025, ISBN: 978-93-7143-560-4
3. **B. Biswas**, *The Art of Defeating Death :A Physician's Journey Beyond the Threshold.*

Deep Science Publishers, 2025, ISBN: 978-93-7185-798-7

4. **B. Biswas**, *Architectures of the Endocrine Ailment "A Quasi -Atlas of Precision Pathology*. Forever Shinings Publishers, 2025, ISBN: 978-93-7406-428-3
5. **B. Biswas**, *The Comic Book Of Neuropathology Book Title: When Neurons Throw Tantrums*. Forever Shinings Publishers, 2025, ISBN: 978-93-7406-310-1
6. **B. Biswas**, *Blood on the Edge: Critical Care Hematology Unplugged*. Iterative International Publishers, 2025, ISBN: 978-93-7020-444-7
7. **B. Biswas**, *Pediatric Hematopathology: Bone Marrow Disorders, Leukemias, Lymphomas, and Molecular Diagnostics*. Deep Science Publishing, 2025, ISBN: 978-93-7185-091-9.
8. **B. Biswas**, *Pathology At the Edge of Certainty: Flesh, Code, and the Semiotics of Diagnosis*. Deep Science Publishing, 2025, ISBN: 978-93-7185-700-0.
9. **B. Biswas**, *Integrative Diagnostic Pathology: Cytomorphology, Genomics, and Translational Perspectives in Systemic and Organ-Specific Diseases*. Deep Science Publishing, 2025, ISBN: 978-93-7185-865-6.
10. K. Gupta, **B. Biswas**, Arkit Saha, *Integrated Perspectives on Life Sciences, Health, Agriculture, Nursing, and Pharmacy*. Chyren Publisher, 2025, ISBN: 978-93-7143-612-0
11. **B. Biswas**, *In the Shadow of Similarity: The Art of Differentiation in Diagnostic Pathology*, Deep Science Publishing, 2025, ISBN: 978-93-7185-703-1
12. **B. Biswas**, , *Interdisciplinary Pathways: Advancing Knowledge in Life Sciences and Healthcare*, Chyren Publisher, 2025, ISBN: 978-93-7143-560-4

Book Chapters:

1. **B. Biswas**, S. Sarkar, S. B. Roy, and S. B. Roy, Eds., *The Alchemy of Lesions: Decoding Disease and Orchestrating Resolution*. Deep Science Publishing, 2025.
2. S. Sarkar, **B. Biswas**, *Endothelin-Driven Arteriopathy in Pulmonary Arterial Hypertension: Targeting Vascular Pathomechanisms via Receptor Antagonists*. Recent Advances In Pharmaceutical & Medical Sciences (Edition 6), Publisher: Prime Publications, 2025.

Journals:

1. **B. Biswas**, G. Sarkar, H. Jha, S. Sarkar, "A Comparative Diagnostic Paradigm of Pulmonary Lesions: An Integrative Evaluation of Bronchial Brush Cytology, Broncho-alveolar lavage, Bronchoscopic Biopsy, and CT-Guided FNAC Affiliation," *The Journal of heart valve disease*, 2025
2. **B. Biswas** , S. Sarkar, S. Roy, S. Basu Roy, N. Ghosh, S. Mallick, "A Comparative Study of Recombinant Erythropoetin Injectables Versus the Oral Formulation of Desidustat in Treating Patients of the Anemia of Chronic Kidney Disease,"

European Journal of Cardiovascular Medicine, 2025.

3. **B. Biswas**, S. Roy, S. Basu Roy, S. Sarkar, "A histopathological exegesis of diffuse alveolar damage (DAD) in medicolegal necropsies: a retrospective morpho-etiological disquisition of forensic pathology integrating literature synthesis and investigative insights via deciphering the data on 150 specimens of the lung," *Journal of Contemporary Clinical Practice*, 2025, DOI:10.61336/jccp/25-06-67.
4. **B. Biswas**, S. Roy, S. Roy, S. Basu Roy, Shilpa, "The Insight to the Fertility of the Patients Presenting with Malignant Ovarian Germ Cell Neoplasias with Respect to Its Diagnosis & Management -A Study Conducted in a Tertiary Care Hospital," *Global Journal of Medicine and Public Health* , 2024.
5. **B. Biswas**, S. Sarkar, F. Rahmani, P. Sen, "A Cross-Sectional Study to Assess the Effect of Thyroid Hormone on Platelet Count and Mean Platelet Volume in a Tertiary Care Hospital of Kolkata", *International Journal of Current Medical and Pharmaceutical Research*, 6(5):102-119, 2025.
6. Sarkar S, Biswas B. Precision Versus Population Pharmacotherapy in Obesity: A Systematic Evaluation of Setmelanotide and GLP-1 Receptor Agonists. *SSR Inst Int J Life Sci.*, 2026; 12(2): 9473-9479.
7. J. Konar, **B. Biswas**, S. Sarkar, "Pharmacological Inhibition and Plasmid Curing as Dual Trajectories for Reversal of New Delhi Metallo β Lactamase: A Systematic Review of Experimental and Translational Strategies," *Journal of Chemical Health Risks*, 2025.
8. S. Sarkar, **B. Biswas**, "Nanotechnology At the Frontiers of Forensic Science: A Systematic Review of Plasmonic, Exosomal, And Hybrid Nanomaterial Platforms for Evidentiary Precision," *International Journal of Medical Science and Dental Health*, 2025, DOI:10.55640/ijmsdh-11-09-10 .
9. Dr.Suhena Sarkar MD,**Dr.Birupaksha Biswas**,REPROGRAMMING CELL DEATH PATHWAYS FOR THERAPEUTIC GAIN,*Asian J. Med.Res.Health Sci*,2026;4(1):99-106,Avialable from:<https://www.ajmrhs.com/journal>
10. Sarkar S, Biswas B. Blinatumomab for minimal residual disease clearance in B-acute lymphoblastic leukemia. *Ann Med Med Sci.* 2026;5:267-272. Available from:<https://ammspub.com/index.php/ijecs/article/view/488>
11. J. Konar, **B. Biswas**, S. Sarkar, A. Bhakta, "Neuropathological and Microbiological Axes of Central Nervous System Tuberculosis: a Systematic Review of Integrative Correlation Of Granulomatous Architecture, Molecular Diagnostics and Therapeutic Resistance Landscapes Within The Clinical-Anatomical Constellation," *NeuroQuantology*, 2025, DOI:10.48047/nq.2025.23.8.nq25022 .
12. S. Sarkar, **B. Biswas**, S. Banerjee, "Prognostic determinants of event-free survival(EFS) in pediatric all treated with HDMTX: a 5-year single-center retrospective," *Indian Journal of Applied Research*, (2025),

DOI:10.36106/ijar/7300320.

13. N. Ghosh, **B. Biswas**, P. Mondal, S. Basu Roy, S. Roy, S. Sarkar, S. Mallick, "Clinicopathological Spectra, Diagnosis and the Metastatic Cascade of Gestational Trophoblastic Neoplasia: A Multimodal Approach to Prognostication and Therapeutic Resistance as Retrospectively Seen for 100 Patients for a Time Period of 3 Years (2021-2024) in a Super Speciality Hospital," CME Journal Geriatric Medicine (2025).
14. S. B. Roy, **B. Biswas**, and S. B. Roy, "The Clinico-pathology LOCI, Diagnosis and Management of mediastinal Masses: a retrospective study in a tertiary care hospital," Bengal Physician Journal, vol. 11, no. 1, pp. 14-17, Apr. 2024, doi: 10.5005/jp-journals-10070-8038.
15. S. Sarkar, **B. Biswas**, A. Adhikari, S. Biswas, and P. Kumar, "Comparative assessment of beta-2 microglobulin as predictor of progression of multiple myeloma in asymptomatic and symptomatic multiple myeloma patients in a tertiary care hospital in Eastern India," National Journal of Physiology Pharmacy and Pharmacology, vol. 14, no. 5, p. 1, Jan. 2024, doi: 10.5455/njppp.2024.14.03135202403042024.
16. S. Sarkar, **B. Biswas**, S. Roy, A. Sanyamath, S. Biswas, and M. Nandy, "Assessment of prevalence of hyperprolactinemia in patients taking antipsychotic drugs in a tertiary care hospital in eastern India," National Journal of Physiology Pharmacy and Pharmacology, no. 0, p. 1, Jan. 2024, doi:10.5455/njppp.2024.14.041572024 16042024.
17. S. Sarkar, **B. Biswas**, A. Adhikari, S. Biswas, and P. Kumar, "Comparative assessment of beta-2 microglobulin as predictor of progression of multiple myeloma in asymptomatic and symptomatic multiple myeloma patients in a tertiary care hospital in Eastern India," National Journal of Physiology Pharmacy and Pharmacology, vol. 14, no. 5, p. 1, Jan. 2024, doi: 10.5455/njppp.2024.14.03135202403042024.
18. S. Sarkar, **B. Biswas**, K. Banerjee, J. Bale, P. Tamelan, "A Systemic Disquisition on Pancreatic Neoplasia in all age groups: An Exhaustive Appraisal of Diagnostic Stratification, Histopathological Paradigms, and the Multimodal Oncotherapeutic Spectrum based on 13 high end studies," Journal of Neonatal Surgery(2025).
19. J. Konar, R. Kumar, **B. Biswas**, S. Sarkar, Ba. Biswas, "Reconceptualising Adult Hepatitis A: Epidemiological Shifts, Elastographic Diagnostics, and Pharmacotherapeutic Horizons," Journal of Chemical Health Risks, 2025.
20. J. Konar, R. Kumar, **B. Biswas**, S. Sarkar, Riddhi Chakraborti, "Hepatocellular Carcinoma and Extracellular Vesicles: From Pathology and Microbial Crosstalk to Therapeutic Strategies," Journal of Carcinogenesis, 2025, DOI:10.64149/J.Carcinog.24.7s.657-671.
21. M. Dutta, S. Basu Roy, S. Basu Roy, T. K. Naskar, G. Sarkar, **B. Biswas**,

“Laparoscopic management of benign adnexal mass and evaluation of its outcome and histopathological correlations,” *European Journal of Cardiovascular Medicine* , 2025. Roy Mondal, S. Sarkar, B. Biswas, S. Mondal, “Multimodal Regenerative Strategies In Diabetic Foot Ulceration: A Systematic Review On Stem Cell Therapeutics, Surgical Interventions, And Adjunctive Modalities Across High-Impact Studies,” *African Journal of Biomedical Research*, 2025, DOI:10.53555/g0ddnf27.

22. Roy Mondal, S. Sarkar, **B. Biswas**, S. Mondal, “Research Article Multimodal Regenerative Strategies In Diabetic Foot Ulceration: A Systematic Review On Stem Cell Therapeutics, Surgical Interventions, And Adjunctive Modalities Across High-Impact Studies,” *African Journal of Biomedical Research*, 2025, DOI:10.53555/AJBR.v28i4S.8273.
23. S. Basu Roy, S. Roy, **B. Biswas**, “Cardiac Neoplasms And Their Intricate Correlation With Cardiac Arrhythmias: A Multimodal Clinico- Pathological, Electrophysiological And Statistical Dissertation,” *European Journal of Clinical Pharmacy*, 2025.
24. S. Basu Roy, S. Roy, **B. Biswas**, “A Study of Aneurysms of Arteriovenous Fistula in Chronic Kidney Disease Patients at a Tertiary Care Centre in Eastern India,” *European Journal of Cardiovascular Medicine*, 2025.
25. D. Maitra, S. Sarkar, **B. Biswas**, “Laparoscopic and open adrenalectomy surgeries for multiple causes: a case series in a tertiary care teaching hospital, eastern zone of India,” *Indian Journal of Applied Research*, v.15,issue.06, 2025.
26. S. Sarkar, S. Roy, **B. Biswas**, S. Biswas, I. Sengupta, A. Banerjee, “Comparative assessment of SHBG and insulin level in newly diagnosed type 2 DM patients and age and gender matched diabetic patients on metformin therapy for 3 months in a tertiary medical college in Eastern India”, *National Journal of Physiology Pharmacy and Pharmacology*, January 2024, DOI:10.5455/njppp.20240731025825
27. S. Das, N. Ghosh, R. Das, **B. Biswas**, “Comparison of Placental Findings Between Live Birth and Still Birth -An Observational Cross-Sectional Study in A Tertiary Care Hospital,” *European Journal of Cardiovascular Medicine*, 2025.
28. D. Kanjilal, S. Sarkar, **B. Biswas**, “Correlation of Serum IgE Levels and Clinical Manifestations in Patients Presenting with Cutaneous Adverse Drug Reactions in a Tertiary Care Centre, Eastern Zone of India”, *Annals of Medicine and Medical Sciences (AMMS) Volume 04, Page No. 1077 to 1084*, 2025.
29. Vasim K, Ashokbhai P, **B. Biswas**, et al. (December 30, 2025) *Mental Health Awareness and Stigma in the General Population: A Mixed-Methods Approach in Semi-Urban Areas. Cureus 17(12): e100401. doi:10.7759/cureus.100401*
30. S. Sarkar, S. Acharyya, S. Roy, **B. Biswas**, “A Prospective Observational Study of Chemotherapy-Induced Neuropathy, Cognitive Decline, and Cardiotoxicity: A Multimodal Clinical and Statistical Appraisal of 150 Patients,” *European Journal*

of Cardiovascular Medicine, 2025.

31. N. S. Mal, N. B. Sau, N. D. R. Chaudhuri, **B. Biswas**, and N. S. Sarkar, "Current Trends In Antibiogram With Special Reference To Antibiotic Stewardship For Cases Of Neonatal Sepsis And Correlation With Procalcitonin And Interleukin-6 As Diagnostic Markers At Neonatal Intensive Care Unit, Medical College, Kolkata," Asian Journal of Pharmaceutical and Clinical Research, Pp. 86-89, Jul. 2025, Doi: 10.22159/Ajpcr.2025v18i7.54976.
32. R. Mondal, S. Sarkar, S. Mondal, **B. Biswas**, "A Multiaxial Systematic Review On Contemporary Oncotherapeutic Armamentarium And Lobectomy-Centric Surgical Stratagems In Lung Carcinomas: Histopathological-Radiological Correlatives, Molecularly Targeted Regimens, And Immunomodulatory Paradigm Shifts In", International Journal of Environmental Science, Vol. 11 No. 19s, 2025, DOI:10.64252/b0m66375.
33. S. Sarkar, C. Mondal, R. Adhikary, **B. Biswas**, S. Saha, "Pathogenic Impact of VEGF-A/VEGFR-2 Downregulation in Diabetic Microangiopathy: A Systematic Review of Renal and Neurocognitive Outcomes", American Journal of Psychiatric Rehabilitation, June, 2025, DOI: 10.69980/ajpr.v28i5.562
34. S. Paul, D. Maitra, A. R. Mondal, **B. Biswas**, S. Sarkar, "Reframing Pituitary Neoplasia: A Systematic Appraisal Of The WHO 2022 PitNET Taxonomy", Journal of Carcinogenesis, Vol 24, Issue. 2s, 295-308, 2025,
35. P. Sen, N. Karar, S. Sarkar, **B. Biswas**, S. Banerjee, "An Observational Study of Adverse Drug Reaction Profile of BEP (Bleomycin+Etoposide+Cisplatin) Chemotherapy, Onco- Hematopathological Correlates in Germ Cell Tumors with an Emphasis on Dyselectrolytemia at Medical College, Kolkata", International Journal of Current Pharmaceutical Review and Research, 17(9), 114-127, 2025,
36. S. Sarkar, A. Bain, K. Banerjee, S. Mallick, **B. Biswas**, "A Disquisition into the Cardiovascular and Reno-Protective Effects of Angiotensin Receptor-Neprilysin Inhibitors (ARNI) in Patients with Heart Failure with Moderately Reduced (HFmrEF) and Reduced Ejection (HFrEF) Fraction: A Prospective Observational Study on 100 Patients in a Tertiary Care Centre Over One Calendar Year Affiliation," The Journal of heart valve disease, 2025, DOI: <https://doi.org/10.61336/jhvd> Websit.
37. S. Roy, S. Basu Roy, T. Nayek, **B. Biswas**, "A Robust Assemblage of Pathology, Gynecological Oncology and the Therapeutics Including Possible Surgeries on B-cell Neoplasms and Neuroendocrine Tumours of the Female Genital Tract," CME Journal Geriatric Medicine, 2025.
38. D. Maitra, S. Sarkar, S. Ghosh, **B. Biswas**, "A clinico microbiological study on assessment of surgical site infection in abdominal and hernia surgery cases admitted in a medical college of Kolkata," Journal of Contemporary Clinical Practice, 2025, DOI:10.61336/jccp/25-06-59.

39. D. Biswas, S. Sarkar, P. Pal, **B. Biswas**, K. Dutta, and S. Mal, "An observational study to assess the adverse drug reactions of deferasirox in treating iron overload among pediatric patients suffering from haemoglobinopathies at a tertiary care hospital in eastern India," *Indian Journal of Applied Research*, pp. 73-76, May 2025, doi: 10.36106/ijar/4105440.
40. Roymondol, S. Mondal, S. Sarkar, **B. Biswas**, "A prospective study of surgical site infection in a teaching hospital of Kolkata," *CME Journal Geriatric Medicine*, 2025.
41. D. Kanjilal, S. Sarkar, A. Saha, **B. Biswas**, and S. Roy, "A case series of different cutaneous adverse drug reactions attending the dermatology clinic of a tertiary care center," *Bengal Physician Journal*, vol. 12, no. 2, pp. 96-99, Jun. 2025, doi: 10.5005/jp-journals-10070-8093.
42. S. Mallick, A. Bain, S. Sarkar, **B. Biswas**, "Systematic Review on Inborn Errors of Metabolism of 21 Seminal Studies: Pharmacotherapeutics, Diagnostic Armamentarium with Special Reference to Clinical Pathology," *International Medicine* (2025).
43. S. Basu Roy, D. Hazra, S. Basu Roy, **B. Biswas**, C. Mondal and A. Basumatary, "Management Of Asymptomatic Carotid Artery Disease in Patients Undergoing CABG In A Tertiary Care Centre in Eastern India: A Retrospective Observational Study," *International Journal of Scientific Research in Dental and Medical Sciences*, 6 3 (2024): 123-127, doi: 10.30485/ijserdms.2024.485726.1613
44. H. Nawal, S. Mohta, S. Sarkar, P. P. Bhattacharyya, **B. Biswas** "Prevalence of metal fume fever and its association with working conditions and chronic respiratory disorders among metal factory workers in eastern India," *International Journal of Basic & Clinical Pharmacology*, 2025, DOI: <https://dx.doi.org/10.18203/2319-2003.ijbcp20253371> .
45. D. Hazra¹, S. Basu Roy, P. Mandal, S. Basu Roy, **B. Biswas**, A. Basumatary, "Management Strategies of Patients Presenting with Thymic Mass or Myasthenia Gravis in A Tertiary Care Centre of Eastern India in the Current Era," *European Journal of Cardiovascular Medicine*, 2025.
46. S. Sarkar, S. Garg, A. Sanyamath, S. Roy, **B. Biswas**, "Knowledge, Attitude, and Practice of Medical Students towards Leftover Medicine and Effects of Intervention in a Medical College, West Bengal," *Bengal Physician Journal*, 2025, DOI:10.5005/jp-journals-10070-8123.
47. S. Sarkar, B. Sau, P. Adhikary, S. Chowdhuri, **B. Biswas**, "Resistance Pattern Among Uropathogens Isolated from Perimenopausal and Postmenopausal Patients Visiting Gynaecology Outpatient Department: A Single-Centric Observational Study in A Tertiary Care Teaching Hospital," *Medical Channel*, 2025.
48. S. Sarkar, P. Banerjee, R. Pal, A. Bain, **B. Biswas**, S. Manna, "A three-year scholarly disquisition upon the nosological expanse, diagnostic intricacies, and pharmacotherapeutic prospects of pneumoconiosis amongst the toilers presenting to

- a tertiary care bastion in eastern India,” *Journal of contemporary clinical practice*, 2025, DOI:10.61336/jccp/25-06-94.
49. S. Sarkar, R. Banerjee, P. Sen, A. Bain, **B. Biswas**, P. Paul, “Pattern of adverse drug reaction associated to antipsychotic drugs with special reference to hyponatraemia in medical college, kolkata: an observational, prospective study,” *Journal of Population Therapeutics and Clinical Pharmacology*, 2025.
50. N. A. Sanyamath, N. S. Sarkar, N. M. Nandy, N. S. Banerjee, and **B. Biswas**, “Knowledge, attitude, and practices of undergraduate medical students regarding the use of social media for educational purposes: a cross-sectional, observational study in a tertiary care medical institution in the eastern zone of India,” *Asian Journal of Pharmaceutical and Clinical Research*, pp. 87-89, Sep. 2024, doi: 10.22159/ajpcr.2024v17i9.51548.
51. M. Kanjilal, M. Dutta, G. Sarkar, N. Ghosh, S. Sarkar, **B. Biswas**, “A Comparative Prospective Observational Inquiry into the Efficacy of Oral Labetalol versus Oral Nifedipine in the Pharmacological Governance of Pre-Eclampsia among Gravidae: A Study from Eastern India,” *Journal of Contemporary Clinical Practice*, 2025, DOI:10.61336/jccp/25-07-11.
52. R. Das, N. Ghosh, S. Das, P. Halder, **B. Biswas**, “Emergency Obstetric Hysterectomy: A Retrospective Observational Study In A Tertiary Care Hospital In West Bengal”, *African Journal of Biomedical Research*, December 2024, DOI:10.53555/AJBR.v27i4S.8280
53. S. Sarkar, A. Talukdar, P. Talukdar, A. Das, T. Kundu, E. MacDonald, **B. Biswas**, “Deprescribing Based on Assessment of Inappropriateness of Medication in Geriatric Population Using Stopp and Ags Beers Criteria: A Multicentric Longitudinal Clinico-Pharmacological Study Conducted in Eastern Zone of India,” *CME Journal Geriatric Medicine*, 2025.
54. S. Sarkar, S. Chandra, B. Sau, S. Mal, S. B. Roy, S. Basu Roy, **B. Biswas**, “An Observational Study on Extra-Pulmonary Tuberculosis with Special Reference to Cartridge-Based Nucleic Acid Amplification Test (CBNAAT) and Assessment of Drug Resistance Pattern in a Tertiary Care Hospital”, *International Journal of Current Pharmaceutical Review and Research*, 17(9); 70-8, 2025
55. Dr. Jayashree Konar, Dr. Suhena Sarkar, Dr Riddhi Chakraborti, Dr **B. Biswas**, (20yy) A Systematic Review Of D-Dimer Responses To Gram Positive And Gram Negative Infections With Focus On Oncotherapeutic Consequences., *Vascular and Endovascular Review*, Vol.8, No.14s, 348-360. <https://verjournal.com/index.php/ver/article/view/1099>
56. Dr. Reshma Ghosh, Dr Mahua Roymondal, Dr. Suhena Sarkar, Dr **B. Biswas**, Mr. Bappaditya Biswas, An Integrated Systematic Review Of Pathogenesis, Diagnosis, Therapeutics & , Operative Strategies, And Clinical Outcomes Of Bouveret Syndrome As A Rare Variant Of Gastric Outlet Obstruction. (2025). *Journal of*

Carcinogenesis, 24(10s), 215-230. <https://doi.org/10.64149/J.Carcinog.24.10s.215-230>

57. Dr. Jayashree Konar, **Dr B. Biswas**, Dr. Suhena Sarkar, Dr Riddhi Chakraborti, Hepatocellular Carcinoma and Extracellular Vesicles: From Pathology and Microbial Crosstalk to Therapeutic Strategies. (2025). Journal of Carcinogenesis, 24(7s), 657-671. <https://doi.org/10.64149/J.Carcinog.24.7s.657-671>
58. Tanaya Chongder, Mr Sagnik Chowdhury, Dr. Suhena Sarkar, Dr **B. Biswas**. (2025). An Integrated Approach to the Rational Use of Medicines: Understanding Adverse Drug Reactions, Drug-drug, and Drug-food Interactions in Clinical Practice. Advances in Clinical Medical Research, 6(4), 1-12, <https://acmrjournal.com/index.php/ACMR/article/view/94>
59. Sabarieshwaran Kullan, P.Anusha , Dr.Vignesh Raja U.S, Nivetha Shanmugam , Dr **B. Biswas** et al. Metabolic Toxicity of Keto- Isovaleric Acid: A Comprehensive Review with Special Reference to Maple Syrup Urine Disease and Renal Involvement,Ijrm.Human,2025;Vol.03(11):1-13.<https://ijrm.humanjournals.com/metabolic-toxicity-of-keto-isovaleric-acid-a-comprehensive-review-with-special-reference-to-maple-syrup-urine-disease-and-renal-involvement/>
60. **B. Biswas**, S. Sarkar, J. O. Akomodi, C. Bellevicine, (2025). Organizational culture for sustainable healthcare: An NLP-ML-SEM framework with the Sustainability Culture Alignment Index (SCAI). International Journal of Applied Resilience and Sustainability, 1(1 October), 176-195. <https://deepscipub.com/ijars/article/view/11>
61. Dr **B. Biswas**, Sadin, Z. (2025). Resilient healthcare systems for sustainable development goals (SDGs): A novel framework for generative artificial intelligence. International Journal of Applied Resilience and Sustainability,1(10October),122-139. <https://deepscipub.com/ijars/article/view/8>
62. **B. Biswas**, Konar J, Sarkar S, Rana M, Konar S, Ghosh A. Optimizing Graft Versus Host Disease Mitigation Strategies in Allogeneic Stem Cell Transplantation for Myelodysplastic Syndromes Progressing To Acute Myeloid Leukemia: A Systematic Evaluation of Evidence Based Immune Modulatory Approaches..Int J Drug Deliv Technol. 2026;16(1s): 357-370; DOI: 10.25258/ijddt.16. 357-370
63. **Dr. B. Biswas. MD**, Dr. Suhena Sarkar. MD, Clinical Outcomes of Next-Generation Chimeric Antigen Receptor T-Cell Therapy in Acute Lymphoblastic Leukemia , Annals of Medicine and Medical Sciences: Volume 05 (2026), Version 02
64. **Dr. B. Biswas. MD**, Dr. Suhena Sarkar. MD, Transformation to BCR ABL1 Positive Chronic Myeloid Leukemia Following Salvage DHAP Therapy in Relapsed Refractory Classical Hodgkin Lymphoma: A Rare Case Report , Annals of Medicine and Medical Sciences: Volume 05 (2026), Version 02
65. Dr. Suhena Sarkar. MD, Dr. **Dr. B. Biswas. MD**, Toward Precision Metformin Therapy:

- OCT1 Pharmacogenomics and a Genotype-Guided Clinical Algorithm in Type 2 Diabetes Mellitus , *Annals of Medicine and Medical Sciences: Volume 05 (2026), Version 02*
66. Sarkar S, Kundu T, **B. Biswas**, Banerjee R, Chipurupalli A, Bain A. Perception of First-year MBBS Students on Early Clinical Exposure in Medical College, Kolkata. *Bengal Physician Journal* 2026; 13 (1):6-13.
67. **B. Biswas**, & Sarkar, S. (2026). Responsible agentic artificial intelligence governance: Risk, safety, and ethical challenges in autonomous systems. *International Journal of Applied Resilience and Sustainability*, 2(2), 142-167. <https://doi.org/10.70593/deepsci.0202005>
68. **B. Biswas**, N. L Rane, & Sarkar , S. . (2026). Artificial intelligence, machine learning, deep learning, and big data for circular economy, resilience, and sustainable development. *International Journal of Applied Resilience and Sustainability*, 2(2), 312-338. <https://doi.org/10.70593/deepsci.0202012>
69. **B. Biswas** , J. Rane &N.L. Rane , (2026). Artificial intelligence for customer relationship management: Impact on customer experience, engagement, value creation, and loyalty. *International Journal of Applied Resilience and Sustainability*, 2(2), 503-536. <https://doi.org/10.70593/deepsci.0202020>
70. Bhattacharjee S, Mandal I, Kundu M,**B. Biswas** et al. Hepatoprotective Potential of Green-Synthesized CuO Nanoconjugate (Raphanus sativus) against Paracetamol-Induced Liver Toxicity in Mice. *SSR Inst Int J Life Sci.*, 2026; 12(2): 9448-9458.
71. Kanjilal D, Sarkar S, **Biswas B**. Correlation of serum IgE levels and clinical manifestations in patients presenting with cutaneous adverse drug reactions in a tertiary care centre, Eastern zone of India. *Ann Med Med Sci.* 2025;4:1077-1084. Available from:<https://ammspub.com/index.php/amms/article/view/327/212>

Conference Proceedings:

72. **B. Biswas**, “Multiple Endocrine Neoplasia (MEN syndrome) - A Clinical talk!” 231st Central Working Committee of Indian Medical Association (CWC) *Annals of IMA AMS*, Theme: Endocrinology, p. 34, April 2024.
73. **B. Biswas**, “Differential Diagnosis of The Acute Coronary Syndrome - A Doctor’s Dilemma”, Annual Journal of National IMA AMS Conference, Theme: Acute Coronary Syndrome AMSCON - 2023, p. 175, October 2023.
74. S. B. Roy, **B. Biswas**, “Gestational Diabetes Mellitus - The Peril of Pregnancy!” 231st Central Working Committee of Indian Medical Association (CWC) *Annals of IMA AMS*, Theme: Endocrinology, p. 12, April 2024.

TALKS

Keynote Talks:

1. *CardioCare 2026: Innovations in Cardiovascular Health and Treatment*

Theme: "Transforming Cardiovascular Health: Innovations in Research, Treatment, and Patient Care" 25-26 May 2026, Birmingham, United Kingdom

Invited Talk:

2. 2nd EHA-SWG Scientific Meeting on MDS/MPN/AML: Commonalities and Differences of Myeloid Neoplasms, Ljubljana, Slovenia, on April 30-May 2, 2026.

Topic: Optimizing Graft Versus Host Disease Mitigation Strategies in Allogeneic Stem Cell Transplantation for Myelodysplastic Syndromes Progressing to Acute Myeloid Leukemia: A Systematic Evaluation Of Evidence Based Immune Modulatory Approaches

Webinars:

3. Modern Approaches to Leukemia: Diagnosis and Genetic Insights, *CLIRNET*, 15 August, 2025

4. *International Webinar on Cancer Research and Treatment*

Theme: Innovations in Oncology: Exploring New Frontiers in Cancer Research

Topic: Hepatocellular carcinoma and extracellular vesicles: From pathology and microbial crosstalk to therapeutic strategies

5. *4th International Conference on Primary Care and Public Healthcare*,

Theme: Bridging Research and Practice in Primary Care and Public Health

Title: Systematic Review on Inborn Errors of Metabolism of seminal Studies: Pharmacotherapeutics, Diagnostic Armamentarium with Special Reference to Clinical Pathology 07-08, 2026 May, Kuala Lumpur, Malaysia

Presentations:

6. **B.Biswas**, (2025), Forensic Pathology, West Bengal Medical Council, DOI:10.13140/RG.2.2.23511.53925

7. **B.Biswas**, (2025), Laws in Relation to Medical Practices, West Bengal Medical Council, DOI:10.13140/RG.2.2.15122.93120

8. **B.Biswas**, (2025), The PPI(Proton Pump Inhibitor) Problem, Indian Pharmacological Society (West Bengal Chapter) conference, DOI:10.13140/RG.2.2.33577.86881

9. **B.Biswas**, (2025), Code of Medical Ethics, West Bengal Medical Council, DOI: 10.13140/RG.2.2.35255.59048

10. **B.Biswas**, (2025), Fate of COVID-19 & the "Third Wave", Foundation day of the Nil Ratan Sircar Medical College, DOI:10.13140/RG.2.2.34207.01441

11. **B.Biswas**, (2025), A talk on an Ultra - rare pediatric tumour - Pancreatoblastoma, Indian Medical Association (AMSCON), DOI:10.13140/RG.2.2.18629.10720.

AWARDS

- Outstanding Researcher Award (2025) - Recognized by Scientific Laurels for excellence in the field of Clinical Pathology.
- Reviewer Appreciation Award - Honored by the Journal of Biomedical Research and Clinical Reviews for valuable contributions as a peer reviewer.

LEADERSHIP AND SERVICE

- Served in key leadership roles within the Indian Medical Association (IMA) - including Ex-Assistant Secretary, Central and State Council Member, and Member of IMA-CGP. Also contributed as an Ex-Member of the Penal and Ethical Committee of the Medical Council of West Bengal for over 1.5 years, promoting medical advocacy, interdisciplinary collaboration, and professional development initiatives for physicians across India.
- Acts as an active reviewer of top tier journal associated with Clarivate (Web of Science)/Pubmed Central such as 1. Wiley 2. Cureus and other journals of high repute maintaining a strict peer review process

PROFESSIONAL SERVICE

Registrars & Critical care intensivist in the department of Critical Care Medicine in

- Ruby General Hospital
- Ohio Heart Foundation, Rajarhat, Newtown
- Midland Hospital Pvt Ltd, Belgharia
- The College of Medicine & Sagore Dutta Hospital
- Apollo Gleneagles Hospital, EM, Bypass
- Daffodil Multispecialty Hospital, Lake Town
- Binayak Multispecialty Hospital, Sithirmore
- Spandan Multispecialty Hospital, VIP Road
- Arunadoy Nursing Home, Dankuni
- MR Bangur Hospital, Near SSKM Hospital

PROFESSIONAL LINKS

- Research Gate Link : https://www.researchgate.net/profile/Birupaksha-Biswas-Md?ev=hdr_xprf
- LinkedIn Link: <https://www.linkedin.com/in/dr-birupaksha-b-174a0a142/>
- Google Scholar Link: <https://scholar.google.com/citations?user=7pwpdwwAAAAJ&hl=en>
- Web of Science ResearcherID: PHD-8096-2026 ,
<https://www.webofscience.com/wos/author/record/PHD-8096-2026>
- ORCID iD: <https://orcid.org/0009-0007-5701-9131>