Prof. Dr. Bimal Kumar Mishra, FRAS, FIMA

Principal (Professor Rank) Adarsh College, Rajdhanwar, Giridih (Vinoba Bhave University) Hazaribag-825301, Jharkhand (INDIA)	**Phone**: +91-7070990001 **E-mail**: drbimalmishra@gmail.com Web link: www.bimalmishra.com

EDUCATION

2007	**D.Sc. in Mathematics,** Berhampur University, Berhampur, Orissa, India
1997	**Ph.D.** in **Mathematics,** Vinoba Bhave University, Hazaribag, India
1995	**M.Sc.** in **Mathematics**, Vinoba Bhave University, Hazaribag, India
1993	**M.Sc**. in **Operational Research**, University of Delhi, Delhi, India
1990	**B.Sc. (Hons.)** in **Mathematics**, Ranchi University, Ranchi, India

Teaching Experience

- **BITS, Pilani**, India: 08.06.2001 to 14.07.2007
- **BIT, Mesra**, Ranchi, India: 17.07.2007 – 29.11.2017 *(Professor & Head*, Deptt. of Mathematics)
- Appointed as a *Professor w. e. f. 01.07.2012 at BIT, Mesra, Ranchi*, India
- Appointed as a Principal 30.11.2017 , Vinoba Bhave University, Hazaribag (Presently Principal at Adarsh College, Rajdhanwar)
- **Total teaching and academic administrative experience**: 23 years

Patent:

1. Innovation Patent, Australian Government (IP Australia), Patent #: 2020102438, dated October 28, 2020 (for 8 years). Title of invention: DROWSY DRIVER DETECTION SYSTEM USING AVERAGE LOCAL BINARY STRUCTURE

2. Innovation Patent, Australian Government (IP Australia), Patent #: 2020103841, dated December 02, 2020 (for 8 years). Title of invention: A SYSTEM AND A METHOD FOR QUARANTINE EPIDEMIC MODELS

3. Innovation Patent, Australian Government (IP Australia), Patent #: 2020103842, dated December 02, 2020 (for 8 years). Title of invention: A SYSTEM AND A METHOD FOR ANALYZING AND FORECASTING TRANSMISSION OF VIRUS

4. Innovation Patent, Australian Government (IP Australia), Patent #:2021104529, dtd. 24.07.2021 (for 8 years). Title of invention: A system and method for e-commerce epidemic models

5. REPUBLIC OF SOUTH AFRICA, Patent # 2023/02618 (20years), dtd. 31.05.2023 Title of invention: A METHOD FOR PERFORMING MATHEMATICAL MODELLING, FORECAST, AND ANALYSIS ON SPREAD OF COVID-19

AWARD

- Fellow Royal Astronomical Society (**FRAS**), U.K. (Elected on 14.02.2020)
- Fellow Institute of Mathematics & Applications (**FIMA**), U.K. (Elected on 07.02.2020)
- AIAP Early Career Research Award, 2018
- World top 2% scientist (Mathematics)
- AMITY academic excellence award, 2024

Founder Editor-in-chief:
International Journal of Mathematical Modeling, Simulation and Applications, (IJMMSA)
Associate Editor:
- International Journal of Systems Engineering Assurance and Management (Springer Nature, Scopus Indexed, ESCI, IF 2.0)
- International Journal of Information Technology and Computer Sciences
- International Journal of Smart Computing and Information Technology

Guest Editor: Computer Virus: Theory, Model and Methods (Special Issue of Discrete Dynamics and Nature and Society, Hindawi Publications)

Editor (Book series): Understanding Cyber threats and attacks, NOVA Science Publishers, USA

Research Activities
- Ph.D. Students (Supervised):   26(AWARDED), 04 (supervising)
- M.Phil.:   Three
- Project Students   Guided:47 (First Degree)
- Research Project Students   08 (M.E. guided)

Research publications	:	**139**
International Journals	:	**88**
National Journals	:	**18**
Conference Proceedings	:	**33**
Total number of citations	:	**3000**
h – index	:	**24**
i10 - index	:	**60**

Published in:
Chaos, Solitions and Fractals (Elsevier, IF: 9.8)
Scientific Reports (Nature Publishing Group, IF: 4.379)
Applied Mathematics and Computation (Elsevier, IF: 4.091)
Applied Mathematical Modelling (Elsevier, IF: 5.129)
Physica A (Elsevier, IF: 3.263))
Physics Letters (Elsevier, IF: 2.066)
Nonlinear Analysis: Real World Applications (Elsevier, IF: 2.763)
Communications in Nonlinear Science and Numerical Simulations (Elsevier, IF: 4.552)
Nano communication networks, (Elsevier, IF: 2.947)
International Journal of Computer Mathematics (Taylor & Francis, IF: 1.698)
International Journal of Systems Assurance Engineering & Management (Springer, IF: 1.72)
…….and many others

BOOKS

Vedic Ganit: B. K. Mishra, Techniz Books, 2018
Optimization: Linear Programming-B. N. Mishra, B. K. Mishra, ANE Books, Delhi, 2008
Lecture Notes in Calculus – Bimal Kumar Mishra, I.K. International Publishing House (P) Ltd. ,Delhi, 2012
Mathematical Modeling Applications, Issues and Analysis – Edited by B. K. Mishra, Dipak Satpathi, ANE Books, Delhi, 2006

Members of Professional Bodies:
1. Member, American Mathematical Society, USA (MSBMKA)
2. Member, Society for Industrial and Applied Mathematics (SIAM), USA (020896576)
3. Member, Australian Mathematical Society (4677)
4. Member, European Astronomical Society (eas4631)
5. Member, London Mathematical Society
6. Life member of: Indian Science Congress Association (L8186), Operational Research Society of India, Indian Society of Technical Education, Mathematical Society, B.H.U., Association of Microbiology of India