

PHEIROIJAM SURANJOY SINGH

Sagolband Takyel Kolom Leikai, Imphal West,
Manipur-795001, India.

• +91-9089357204 • surphei@yahoo.com

EDUCATION

Bodoland University Kokrajhar, India
Doctor of Philosophy 2018-2022

Department: Department of Mathematical Sciences

Supervisor: Dr. K. Priyokumar Singh

Title of Thesis: *Dark Energy in Higher Dimensional Spherically Symmetric Space-time*

Manipur University Imphal, India
Bachelor of Education 2012-2014

Percentage: 68.18%

Specialization: Methods of Teaching Mathematics and Science

University of Delhi New Delhi, India
Master of Science 2008-2010

Percentage: 63.06%

Subject: Applied Mathematics

Manipur University Imphal, India
Bachelor of Science (Honours) 2005-2008

College: Dhanamanjuri College of Science

Percentage: 79.33%

Subject combination: Mathematics (Honours), Physics and Chemistry

Achievement: Awarded two gold medals (First class first position with distinction)

Council of Higher Secondary Education, Manipur Imphal, India
HSSLC 2003-2005

School: Harvard School

Percentage: 79.80%

Stream: Science

Subject combination: Physics, Chemistry, Mathematics, and Biology

Board of Secondary Education, Manipur Imphal, India
HSLC 2002-2003

School: C. C. Higher Secondary School

Percentage: 66.33%

RESEARCH INTEREST

- General Relativity and Cosmology

- Dark Energy
- Modified Theory of Gravity

CERTIFICATIONS

- **NIIT** New Delhi, India
Course: C Programming 2009
- **School of Speed Centre** Imphal, India
Course: Diploma in Computer Application (6 months) 2007

SKILLS

- Mathematica
- Latex
- C Programming
- Microsoft Office
- Microsoft Excel
- Photoshop

JOURNAL ARTICLES (Corresponding author^{*}) (Sl. No. 1 to 6 are Ph.D. publications)

2023:

1. **Pheiroijam Suranjoy Singh*** and Kangujam Priyokumar Singh, Scale covariant theory as a dark energy model, International Journal of Geometric Methods in Modern Physics, Article in Press.
DOI: 10.1142/S0219887823501530 (**SCIE, IF- 1.873**)

2022:

2. **Pheiroijam Suranjoy Singh*** and Kangujam Priyokumar Singh, Vacuum energy in Saez-Ballester theory and stabilization of extra dimensions, Universe, 8 (2022) 60.
DOI: 10.3390/universe8020060 (**SCIE, IF- 2.813**)
3. Kangujam Priyokumar Singh and **Pheiroijam Suranjoy Singh***, Higher dimensional phantom dark energy model ending at the de-Sitter phase, Chinese Journal of Physics, 77 (2022) 1732-1741.
DOI: 10.1016/j.cjph.2021.05.022 (**SCI, IF- 3.957**)

2021:

4. **Pheiroijam Suranjoy Singh*** and Kangujam Priyokumar Singh, A higher dimensional cosmological model for the search of dark energy source, International Journal of Geometric Methods in Modern Physics, 18 (2021) 2150026. DOI: 10.1142/S0219887821500262 (**SCIE, IF- 1.873**)

5. **Pheiroijam Suranjoy Singh*** and Kangujam Priyokumar Singh, $f(R, T)$ gravity model behaving as a dark energy source, *New Astronomy*, 84 (2021) 101542. DOI: 10.1016/j.newast.2020.101542 (**SCI, IF- 2.096**)

2019:

6. Kangujam Priyokumar Singh and **Pheiroijam Suranjoy Singh***, Dark energy on higher dimensional spherically symmetric Brans-Dicke universe, *Chinese Journal of Physics*, 60 (2019) 239-247. DOI: 10.1016/j.cjph.2019.05.003 (**SCI, IF- 3.957**)

2018:

7. Mahbubur Rahman Mollah, Kangujam Priyokumar Singh and **Pheiroijam Suranjoy Singh***, Bianchi type-III cosmological model with quadratic EoS in Lyra geometry, *International Journal of Geometric Methods in Modern Physics*, 15 (2018) 1850194. DOI: 10.1142/S0219887818501943 (**SCIE, IF- 1.873**).

MAGAZINE ARTICLE

2014:

1. Hidden mathematics, *NE Scholar Magazine*, Vol.- 1, Issue-1, pp. 64-68 (2014), ISSN: 2350-0336. Article link: <https://tinyurl.com/bdx48v56>

TEXT BOOK

2013:

1. A study on fixed point theory: Basic theories with applications, Lambert Academic Publishing, Germany (ISBN: 9783659323393).

MEDIA COVERAGE OF ARTICLE

1. Article: Hidden mathematics, *NE Scholar Magazine*, Vol.- 1, Issue-1, pp. 64-68 (2014), ISSN:2350-0336. Media link: <https://tinyurl.com/evv6safw>

PAPERS PRESENTED (INTERNATIONAL)

2022:

1. *Is the big rip singularity the ultimate fate of the universe?*, 4th International Conference of Arts and Sciences, orgd. by Cebu Normal University, Philippines on September 21-22, 2022 (virtual).

2021:

2. *Will the universe rip apart in the phantom scenario?*, The 15th International Online Conference of IMBIC on "Mathematical Sciences for Advancement of Science and Technology", orgd. by Institute for Mathematics, Bioinformatics, Information Technology and Computer Science, Kolkata, India on December 21-23, 2021. (virtual).
3. ***Is the cosmic doomsday inevitable when the dark energy EoS parameter is less than -1?***, **The 30th Workshop on General Relativity and Gravitation in Japan, jointly orgd. by Dept. of Physics, Waseda University, Japan, Waseda Institute for Advanced Study, Japan and Institute of Theoretical Physics, Rikkyo University, Japan on December 6-10, 2021 (virtual).**
4. *Dynamics of a dark energy cosmological model in higher dimensional setting*, International Webinar on Foundations for Contemporary Mathematical Research, orgd. by Dept. of Mathematics, Manipur University, India on November 8-10, 2021.
5. *Phantom Dark Energy Model Avoiding Big Rip Singularity*, International Conference on Advanced Physics 2021, orgd. by Dept. of Basic Science and Humanities, Institute of Engineering and Management, Kolkata, India on April 1-3, 2021 (virtual).
6. *Scale Covariant Theory Behaving as a Phantom Dark Energy Model*, 2nd International Conference on Mathematical Techniques and Applications, orgd. by Dept. of Mathematics, College of Engineering and Technology, SRM Institute of Science and Technology, Tamil Nadu, India on March 24-26, 2021 (virtual).
7. *Developing a Dark Energy Model from Modified Gravity Theory*, International Conference on Emerging Trends in Mathematical Sciences and Computing, orgd. by Dept. of Basic Science and Humanities Institute of Engineering & Management, Kolkata, India on February 5-7, 2021 (virtual).
8. *Dark Energy Model with the Estimation of the Variation of the Gravitational Constant*, Virtual International Conference on Physical Sciences, jointly orgd. by Dept. of Physics, Chemistry and Applied Mathematics and Humanities, Sardar Vallabhbhai National Institute of Technology, Surat, India on February 5-6, 2021.
9. *Phantom Dark Energy Model Ending at the de-Sitter Phase*, International Web Seminar on Applied Mathematics & Mathematical Physics, Number Theory and Analysis, orgd. by Calcutta Mathematical Society, India on January 16-17, 2021.

2020:

10. *A Search for the Dark Energy Source*, 14th International Conference MSAST 2020, orgd. by IMBIC, India on December 21-23, 2020 (virtual).
11. *Whether Scale Covariant Theory Itself Can Behave as a Dark Energy Model?*, 26th International Conference of International Academy of Physical Sciences (CONIAPS XXVI) on Advances in Relativistic Astrophysics and Cosmology, orgd. by Dept. of Mathematics, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, India on December 18-20, 2020 (virtual).

12. *Dark Energy in Higher Dimensional Spherically Symmetric Universe with Super-exponential Expansion*, 3rd International Students Conference on Current Advancement in Science and Technology (SPECTRUM 2020), orgd. by Institute of Engineering & Management, Kolkata, India on October 9-11, 2020 (virtual).
13. *A Dark Energy Model with Big Crunch Singularity as the Ultimate End*, International Webinar on Mathematics and Application, orgd. by Dept. of Mathematics, The University of Burdwan, West Bengal, India on September 25-27, 2020.
14. *Dark Energy in Five Dimensional Spherically Symmetric Universe with Future Singularity*, **Cosmología en Colombia (CoCo) 2020**, orgd. by **Universidad Antonio Narino, Colombia in collaboration with Universidad del Valle, Colombia, Universidad Industrial de Santander, Colombia and Universidad Nacional de Colombia, Colombia on September 23-25, 2020 (virtual)**.
15. *A Dark Energy Model with the Estimation of Hubble's Parameter and Energy Density Parameters*, International Conference on Recent Trends in Multidisciplinary Research, orgd. by Eudoxia Research Centre, India on September 19-20, 2020 (virtual).
16. *A Discussion on the Interacting Scenario of Dark Matter and Dark Energy*, International Conference on Present Scenario of Mathematical Sciences, orgd. by Dept. of Mathematics, Karnatak University's Karnatak Arts College, Dharwad, Karnataka, India on September 12-13, 2020 (virtual).
17. *An Increasingly Dark Energy Dominated Model in Brans-Dicke Theory*, International Conference on Mathematics and Computer Applications, orgd. by Dept. of Mathematics, Don Bosco College, Yelagiri Hills, Tamil Nadu, India on September 10-12, 2020 (virtual).
18. *A Dark Energy Model Satisfying the Findings of the Latest Planck 2018 Results*, International Webinar on Recent Advancements in Mathematical Sciences and its Applications, orgd. by Dept. of Mathematics, Chakdaha College, West Bengal on September 3-4, 2020.
19. *Interacting Matter and Dark Energy Model in Higher Dimensional Space Time*, 1st International Conference on Advances in Mathematics, Science and Technology, orgd. by Dept. of Mathematics, Rajiv Gandhi University, Arunachal Pradesh, India on September 1-3, 2020 (virtual).
20. *Dark Energy Model with Negative Constant Deceleration Parameter*, Two-days International Webinar on Recent Advances in Pure and Applied Mathematics, orgd. by Dept. of Mathematics, Kurseong College, Darjeeling, West Bengal, India on August 24-25, 2020.
21. *Higher Dimensional Holographic Dark Energy Model in Brans-Dicke Universe*, International Conference on Mathematical Advances & Applications, orgd. by Ratna Prasad Multidisciplinary Research & Educational Institute, Vijayawada, AP, India on August 7-8, 2020 (virtual).

22. *Interacting Matter and Holographic Dark Energy Model in Scalar-Tensor Theory of Gravitation*, International Webinar on Recent Trends in Mathematical Sciences, orgd. by Govt. Arts & Science P.G. College, Ratlam (M.P.), India on August 6-7, 2020.
23. *Dark Energy Model in Scalar-Tensor Theory of Gravitation*, International E-conference on New Frontiers in Science and Technology, orgd. by RIST, Manipur University, India on July 9-11, 2020.

PAPERS PRESENTED (NATIONAL)

2021:

1. *Escaping the big rip singularity*, National Conference on New Trends in Applied Mathematics, orgd. by Dept. of Mathematics, University Institute of Engineering & Technology, Chhatrapati Shahu Ji Maharaj University Kanpur, India on October 11-12, 2021 (virtual).
2. *Avoiding the Cosmic Doomsday*, National Webinar on Recent Advances in Mathematical Sciences, orgd. by Dept. of Mathematics, Maharaja Bir Bikram University, Agartala, India on September 29-30, 2021.

2020:

3. *Five Dimensional Spherically Symmetric Dark Energy Model in Scalar-Tensor Theory of Gravitation*, National Conference on Advanced Mathematical & Applied Sciences, orgd. by Dept. of Mathematical Sciences Bodoland University, Assam, India on July 1-2, 2020.
4. *Five Dimensional Spherically Symmetric Dark Energy Model in Brans-Dicke Universe*, 4th National Colloquium on Advances in Mathematical Sciences, jointly orgd. by Dept. of Mathematics, D.M. College of Science, Imphal and D.M. College of Arts, Imphal, India on February 28-29, 2020.
5. *Interacting Dark Matter and Holographic Dark Energy in Spherically Symmetric Brans-Dicke Universe*, National Conference on Emerging Trends in Advanced Mathematical Sciences and its Interdisciplinary Areas, orgd. by Dept. of Mathematical Sciences, Bodoland University, Assam, India on February 21-22, 2020.

2019:

6. *Dark Energy on Five Dimensional Spherically Symmetric Brans-Dicke Universe*, National Conference on Mathematical Sciences and Applications in Science, Engineering and Technology, orgd. by Dept. of Mathematics, Rajiv Gandhi University, Arunachal Pradesh, India on March 25-26, 2019.

PARTICIPATIONS IN WORKSHOPS/ WEBINARS/ SEMINARS/ CONFERENCES

2022:

1. *Beyond the Contemporary Sciences*, jointly orgd. by Dept. of Physics, Mehr Chand Mahajan DAV College for Women, Chandigarh and School of Physical Sciences, Amrita Vishwa Vidyapeetham, Mysuru on November 18-19, 2022 (virtual).

2. *Physics of the Early Universe*, orgd. by Mikhail Shaposhnikov (École Polytechnique Fédérale de Lausanne, Switzerland), Andrey Shkerin (Minnesota University, United States), Inar Timiryasov (Niels Bohr Institute, University of Copenhagen, Denmark), and Sebastian Zell (École Polytechnique Fédérale de Lausanne, Switzerland) on June 13-17, 2022 (virtual).

2021:

3. *A Discussion on the Cosmological Principle*, orgd. by Asia Pacific Center for Theoretical Physics, Pohang, South Korea on October 25 - 28, 2021 (virtual).
4. *National Conference on New Trends in Applied Mathematics*, orgd. by Dept. of Mathematics, University Institute of Engineering & Technology, Chhatrapati Shahu Ji Maharaj University Kanpur, India on October 11- 12, 2021 (virtual).
5. *Alternative Gravities and Fundamental Cosmology – ALTECOSMOFUN '21*, orgd. by organized by the University of Szczecin, Poland on September 6-10, 2021 (virtual).
6. *Beyond Standard Model: From Theory to Experiment*, orgd. by The Center for Fundamental Physics (CFP) at Zewail City of Science and Technology, Egypt and Faculty of Engineering and Natural Sciences at Sabanci University, Turkey on March 29-April 2, 2021 (virtual).
7. *Virtual Entities in Science*, orgd. by the project "Virtual Particles" (A1) of the DFG Research Unit "The Epistemology of the Large Hadron Collider", Germany on March 5,12,19 and 26, 2021 (virtual).
8. *XIX International Workshop on Neutrino Telescopes*, orgd. by INFN Sezione di Padova, Italy and Physics and Astronomy Department of Padova University, Italy on February 18-26, 2021 (virtual).
9. *SIGRAV International School 2021: Gravity of Compact Asptrophysical Objects and Gravitational Waves*, orgd. by Italian Society of General Relativity and Gravitation on February 1-5, 2021 (virtual).
10. *UK-QFT IX*, orgd. by Aaron Held, Theoretical Physics, Blackett Laboratory, Imperial College, London and Pete Millington, School of Physics and Astronomy, University of Nottingham, UK on January 8, 2021 (virtual).
11. *XXVII Cracow Epiphany Conference on Future of particle physics*, orgd. by The Henryk Niewodniczanski, Institute of Nuclear Physics, Polish Academy of Sciences, Poland on January 7-10, 2021 (virtual).
12. *Cosmology 2021: The rise of Field Theory*, orgd. by Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK on January 4-8, 2021 (virtual).

2020:

13. *Light Dark World 2020*, hosted by The Sydney Consortium for Particle Physics and Cosmology (Sydney-CPPC) on December 14-18, 2020 (virtual).

14. *National Seminar on Recent Developments in Applied Mathematics*, orgd. by School of Mathematics, Kumaraguru College of Liberal Arts and Science, Tamil Nadu, India on November 30, 2020 (virtual).
15. *Fifth Colombian Meeting on High Energy Physics (5th ComHEP)*, Colombia on November 30 – December 4, 2020 (virtual).
16. *IV Mesoamerican Workshop on Cosmology and Gravitation*, jointly orgd. by Institute of Nuclear Sciences (ICN-UNAM), Mexico and Mesoamerican Centre for Theoretical Physics (MCTP), Mexico on November 9-10, 2020 (virtual).
17. *Less Travelled Path of Dark Matter: Axions and Primordial Black Hole*, orgd. by International Centre for Theoretical Sciences, Tata Institute of Fundamental Research (ICTS-TIFR), Bengaluru, India on November 09-13, 2020 (virtual).
18. *Developing New Directions in Fundamental Physics (DND) 2020*, hosted by TRIUMF, Vancouver, Canada on November 4-6, 2020 (virtual).
19. *Tools for High Energy Physics and Cosmology (TOOLS 2020)*, orgd. by Institut de Physique des 2 Infinis de Lyon, France on November 2-6, 2020 (virtual).
20. *Webinar on Fundamentals and Applications of Physics*, orgd. by Dept. of Physics, Shaheed Rajguru College of Applied Sciences for Women (University of Delhi), New Delhi, India on October 31, 2020.
21. *The Dual Mysteries of Gauge Theories and Gravity*, orgd. by Dept. of Physics, IIT Madras, Chennai, India on October 19-23, 2020 (virtual).
22. *Dark World to Swampland, The 5th IBS-IFT-MultiDark Workshop*, jointly orgd. by Institute for Basic Science (IBS), Korea, Multimessenger Approach for Dark Matter Detection (MultiDark), Spain and Institute for Theoretical Physics (IFT) UAM-CSIC, Spain on October 13-16, 2020 (virtual).
23. *International Virtual Workshop on Recent Advancement in Astrophysics and Cosmology*, orgd. by P.G. Department of Physics, Tata College, Chaibasa (Kolhan University, Chaibasa), West Singhbhum, Jharkhand, India on October 12-13, 2020.
24. *Materia Oscura en Colombia (MOCa) 2020*, orgd. by Universidad Antonio Narino, Colombia in collaboration with Universidad de los Andes, Colombia and International Centre for Theoretical Physics (ICTP), Trieste, Italy on October 7-8, 2020 (virtual).
25. *Online Mini Conference (Information Universe Conference)*, orgd. by Information Universe, Netherlands on October 1, 2020.
26. *Two Days National Webinar on Recent Advances in Mathematical Sciences*, orgd. by Dept. of Mathematics, Santal Bidroha Sardha Satabarshiki Mahavidyalaya, West Bengal, India on September 27-28, 2020 (virtual).

27. ***Virtual Conference of the Polish Society on Relativity 2020***, orgd. by **Polish Society on Relativity, Warszawa, Poland on September 24-26, 2020.**
28. *National Webinar on Cosmology – Observing the Origin and the Evolution of Our Universe*, orgd. by Dept. of Physics, Bhairab Ganguly College, Belgharia, West Bengal, India on September 23, 2020.
29. *One Day National Level Webinar on Recent Trends in Mathematics and its Applications*, orgd. by Dept. of Mathematics, Maharajadhiraj Uday Chand Women's College, Burdwan, India on September 23, 2020.
30. *International Conference on Recent Trends in Multidisciplinary Research*, orgd. by Eudoxia Research Centre, India on September 19-20, 2020 (virtual).
31. *National Webinar on G. F. Riemann - Legacy and Relevance*, orgd. by Aurora's Degree & PG College, Hyderabad, India on September 17, 2020.
32. *National Level Webinar on Recent Trends in Applied Mathematics*, orgd. by Dept. of Mathematics & IQAC, Ramananda College, West Bengal, India on September 16, 2020.
33. *International Webinar on Mathematical Applications in Human Cognition and Neuroscience*, orgd. by Dept. of Mathematics, Assam Don Bosco University, Assam, India on September 16, 2020.
34. *Five Days International e-Seminar on Recent Research in Mathematics*, orgd. by Dept. of Mathematics, School of Science, GITAM, Bengaluru, India on September 11-15, 2020.
35. *One Day National Level Webinar on History of Mathematics*, orgd. by Calcutta Mathematical Society, West Bengal, India on September 6, 2020.
36. *National Webinar on Tourism in Space: A Mathematical Overview*, orgd. by Dept. of Applied Sciences, Galgotias College of Engineering and Technology, Greater Noida, India on September 3, 2020.
37. *One Day Subcontinent Level Webinar on Recent Advances of Applied Mathematics*, orgd. by Dept. of Mathematics, Vivekananda Mahavidyalaya, Purba Bardhaman, India on August 31, 2020.
38. *International Conference on Research Outlook, Innovations and Research Trends*, orgd. by IJASRW, India on August 29-30, 2020 (virtual).
39. *One Day National Webinar on Discovering the Fascinating World of Physics, Chapter 03: 10^{12} Degrees Celsius in Shadow: An overview of Hot and Dense Quark Matter*, orgd. by the Dept. of Physics, Krishnagar Government College, West Bengal, India on August 28, 2020.

40. *Second International Webinar on Modern Trends in Mathematics and its Applications*, orgd. by Dept. of Mathematics, Krishnagar Government College, West Bengal, India on August 21, 2020.
41. *One Day National Level Webinar on Discovering the Fascinating World of Physics, Chapter 02: Exploring the Sky: From Aryabhata to Chandrayaan*, orgd. by the Dept. of Physics, Krishnagar Government College, West Bengal, India on August 21, 2020.
42. *National Webinar on Statistics to Analytics-the Road Ahead*, orgd. by Aurora's Degree & PG College, Hyderabad, India on August 20, 2020.
43. ***The 14th International Conference on Gravitation, Astrophysics and Cosmology*, orgd. by National Central University, Jhongli, Taiwan on August 17-21, 2020 (virtual).**
44. *National Level Webinar on Synergy of Mathematics and Astronomy*, orgd. by Little Flower Degree College, Hyderabad, India on August 10, 2020.
45. *National Level Webinar on Recent Advancement of Mathematics*, orgd. by Dept. of Mathematics, Vivekananda Mahavidyalaya, Sripally on 10th August 2020.
46. *National Level Webinar on Time Scale: A Survey with Analysis*, orgd. by PG and Research Dept. of Mathematics, Cauvery College for Women, Tiruchirappalli, India on August 2, 2020.
47. *Webinar on Principles of Research Writing and Scholarly Communications*, orgd. by AuthorCafe in collaboration with Dean R&D, GLA University, India on July 29, 2020.
48. *One Week National Level Workshop on LaTeX*, orgd. by Sardar Vallabhbhai Patel Institute of Technology, Vasad, India on July 27-August 1, 2020.
49. *Web-based Workshop on Qualitative Research and Academic Writing (QRAW:Series-I)*, orgd. by Dept. of Library and Information Science, Manipur University, Imphal, India on July 27, 2020.
50. *Webinar on Mathematical Foundation for Artificial Intelligence and Machine Learning*, orgd. by Sri Ramakrishna Institute of Technology, Coimbatore, India on July 25, 2020.
51. *Webinar on Mathematical Modeling of Infectious Diseases: Its Relevance in Time of Covid and Binary Recurrence Sequences and its Arithmetic*, orgd. by Dept. of Mathematics and Computer Science, Mizoram University, India on June 11, 2020.
52. *One Week National Workshop on Relativity, Cosmology and Astrophysics*, orgd. by Dept. of Physics, Indira Gandhi Institute of Technology, Sarang, India during January 2020.

2019:

53. *National Workshop on Computational and Analytical Methods in Physics and Mathematics*, orgd. by NIT, Manipur, India on February 19-23, 2019.

2017:

54. *National Workshop on Mathematical Software*, orgd. by Dept. of Mathematics, RTM Nagpur University, India on March 24-25, 2017.

2013:

55. *National Workshop on Nanotechnology and its Applications in Science and Engineering*, orgd. by NIT, Manipur, India on March 23-24, 2013.

2012:

56. *One Day State Level Seminar on Concerns of Teacher Education in the 21st Century – Problems and Prospects*, orgd. by KDMCE, Imphal, India on December 16, 2012.

HONORS & AWARDS

- **Best Oral Presentation**

Title: *Dark Energy Model with the Estimation of the Variation of the Gravitational Constant*
Virtual International Conference on Physical Sciences, February 5-6, 2021
Jointly orgd. by Dept. of Physics, Chemistry, and Applied Mathematics & Humanities
Sardar Vallabhbhai National Institute of Technology, Surat, India.

- **SAS Best Researcher Award 2020 - Physical Sciences**

Awarded by Scholars Academic and Scientific Society, India.

- **Research Leadership Award 2020**

Awarded by RULA, HQ-Malaysia.

- **Huidrom Gourakishor Singh Memorial Gold Medal**

First class first position with distinction in B.Sc. Mathematics (Honours) Exam 2008
Awarded by Manipur University, Imphal, India.

- **L. Deva Singh Memorial Gold Medal**

First class first position with distinction in B.Sc. Mathematics (Honours) Exam 2008
Awarded by Dhanamanjuri College of Science, Imphal, India.

GRANTS/ FELLOWSHIPS/ SCHOLARSHIPS

- UGC Post Graduate Merit Scholarship 2008-2010
- National Merit Scholarship 2005-2008
- Indian Oil Corporation Limited Scholarship 2003-2005
- Sahara India Scholarship 2003-2004

ACADEMIC ACTIVITIES

- One Day Orientation Programme on Continuous and Comprehensive Evaluation (CCE)” at GM Hall, Imphal organized by Council of Higher Secondary Education, Manipur, India in 2011.
- Selected for Mathematics Training and Talent Search Programme (Level-II) under National Board for Higher Mathematics to be held at RIE Mysore, India during 2009 with participant number - MII-04.
- Selected for Mathematics Training and Talent Search Programme (Level-I) under National Board for Higher Mathematics to be held at RIE Mysore, India during 2008 with participant number - MI-51.
- Mathematics Training and Talent Search Programme (Level-O) under National Board for Higher Mathematics at IIT Guwahati, India on June 11-July 7, 2007.

EXTRACURRICULAR ACTIVITIES

- Participated in the events – one act play, mime, and skit of the XXI Inter college Youth Festival, orgd. by Manipur University, India on November 15-17, 2007.
- National Cadet Corps (14 Manipur Battalion). Passed “B” certificate exam in 2006.
- National Cadet Corps (14 Manipur Battalion). Passed “A” certificate exam in 2002.
- Holi Sports Festival’s Talent Search Competition, orgd. by The Youths’ Cultural & Welfare Organization, Heinoupok, Imphal on April 9, 2003.
- Paragliding Programme conducted by the National Adventure Foundation, Manipur Chapter, sponsored by National Cadet Corps on November 7-9, 2001.

PEER REVIEW ACTIVITIES

Reviewer of Journals:

- Indian Journal of Science and Technology (ISSN: 0974-6846, Web of Science)
- Advances in Science, Technology, and Engineering Systems Journal (ISSN: 2415-6698, Scopus)
- Asian Journal of Physical and Chemical Sciences (ISSN: 2456-7779)
- Academia Letters (ISSN: 2771-9359)
- International Astronomy and Astrophysics Research Journal

Reviewer of Book Publisher:

- BP International

ROLES IN ACADEMIC EVENTS

- Member of the organizing committee, National Workshop on Nanotechnology and its Applications in Science and Engineering, orgd. by NIT, Manipur, India on March 23-24, 2013.

TECHNICAL/SCIENTIFIC COMMITTEE MEMBERSHIP

- Member of the scientific and technical committee, and editorial review board (Physical and Mathematical Sciences) of World Academy of Science, Engineering and Technology (WASET), Turkey.

PROFESSIONAL AFFILIATIONS

- Member, Portuguese Society of Relativity and Gravitation
- Member, Latin American Association for High Energy, Cosmology and Astroparticle Physics
- Member, Association of North America Higher Education International
- Associate member, EuroScience, France
- Associate member, City Mathematics Society, London
- Member, Association for the International Development of Academic and Scientific Collaboration, Serbia
- Life Member, Manipur Mathematical Society, India
- Regular member, Scholars Academic and Scientific Society, India
- Life Member, World Research Council
- Member, National Institute For Technical Training & Skill Development, India
- Member, All India Council for Technical Skill Development

LANGUAGES

- Manipuri, Hindi, and English (Read, Write, Speak)