

CURRICULUM VITÆ

Prof. N. Senthil Kumar

Professor

Department of Biotechnology

School of Life Science

Mizoram University

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Personal Details

Date of Birth: 08 - 08 - 1972

Sex: Male

Father's Name: Mr. P. Nachimuthu Nationality: Indian

Permanent Address: 10, Krishnaswamy Nagar, T. Kottampatti, Pollachi – 642 002, Coimbatore, TN

Educational Qualifications

Post-Doctoral Fellow (PDF) : 2006 Sun Yat-sen University, China

Doctor of Philosophy (Ph. D.): 1998 Bharathiar University, Coimbatore

Thesis Entitled, "Combined effect of Azadirachtin and Nuclear Polyhedrosis Virus on biochemical and molecular profiles of *Helicoverpa armigera*"

M.Sc Zoology 1994 Bharathiar University, Coimbatore

B.Sc Zoology 1992 University of Madras (Loyola College, Chennai)

High School (10+2) 1989 Biology, Maths, Physics, Chemistry

Research Interest

Human Disease Genetics, Molecular Phylogenetics, Molecular Markers and Bioinformatics, Chemical /Molecular ecology

Details of Previous Employments:

| No | Institute/ University/ | Designation | Duration | | Length of service in years | | Whether UG/PG |
|----|--|--|-----------------|-----------------|----------------------------------|-------|------------------|
| | | | From | To | Y | MD | |
| 1. | Mizoram university | Professor in Biotechnology | 23 July 2012 | Till date | 06 | 03 | PG |
| 2. | Mizoram University | Associate Professor in Biotechnology | Jan.2010 | 22 July 2012 | 02 | 06 21 | PG |
| 3. | Mizoram University | Reader in Biotechnology | 26 Jan 2007 | Dec. 2009 | 03 | | PG |
| 4. | N.G.M, Karpagam and PGP College College | Lecturer in Biotechnology | June 2000 | Feb. 2005 | 04 | | PG |

Administrative Experience:

| No | Post Held | Organizational | Nature of Responsibility | Duration | | | Whether overlapping with Teaching/Research Experience if any |
|--------------|---|-------------------------|---|-----------|-----------|---|--|
| | | | | Y | M | D | |
| 1 | Head of the Department | Mizoram University | Establishing Biotech Dept.; Introduction of M.Sc/M.Phil/Ph.D courses; Organization of training/workshop | 05 | 05 | | Yes |
| 2 | Coordinator – (DBT- BIF) | Mizoram University | Established the bioinformatics lab; facilitating research | 03 | 03 | | Yes |
| 3 | Coordinator – (DBT- State Biotech Hub) | Mizoram University | Established the bioinformatics lab; facilitating research | 01 | | | Yes |
| 4 | Coordinator - NER DBT e-library consortium | Mizoram University | Established the e-library resources for research | 02 | | | Yes |
| 5 | Head of the Department | N.G.M College, Pollachi | Establishing Biotech Dept.; Introduction of M.Sc course | 03 | | | Yes |
| Total | | | | 14 | 08 | | |

Overseas Experience:

| Name | Organization | Year | Purpose |
|---|------------------------------------|--------------------|--|
| DBT Overseas Associateship | Natural History Museum, London | Jan-March 2013 | Next Generation sequencing method analysis |
| FRES | University of Plymouth, UK | 2008 Sept. onwards | Fellow of Royal Entomological Society, London Annual meeting of the Royal Entomological Society, UK – “Ento 08” |
| DST Travel Fellowship | University of Durban, South Africa | July 05 – 12, 2008 | XXIII International Congress of Entomology |
| Funded delegate | Univ. of Queensland. | Aug.15 – 21, 2004 | To attend and present paper at the XXII ICE, Australia |
| Spatial Ecology program | Univ. of Helsinki, Finland | July 2002 | To work with the Metapopulation group, Department of Ecology and Systematics, University of Helsinki. |
| International Travel Grant (twice) | Univ. of Peradeniya, Sri Lanka | Nov. 1998 & 1999 | To present research paper in the X and XI Annual Congress at PGIA. |

Overseas Collaborations: National History Museum, UK

Awards & Distinctions

| National Academic Assignments | | | |
|-------------------------------|---------------------------|-----------------|--|
| Name | Organization | Year | Purpose |
| Summer Research Fellow | INSA, New Delhi | Jan- Feb 2010 | DNA Barcoding - with Dr. Praveen Karanth at CES, IISc, Bangalore. |
| Summer Research Fellow | Indian Academy of Science | June -July 2004 | Wasp Behaviour - with Prof. Raghavendra Gadagkar, CES, IISc, Bangalore, India. |
| CSIR- SRF | CSIR, New Delhi | 1996 | Development of resistance by <i>H. armigera</i> to azadirachtin. |

Professional Memberships

- Biotech Consortium India Limited (BCIL), New Delhi
- Indian Science Congress Association, New Delhi
- Life Member of Society for Biosafety, Bhopal

Academic Achievements

Publications and Lectures delivered

Research papers : 91 Proceedings : 10

Books : 03 Articles : 08

Invited talks : 35

Contributed oral presentations : 23

Poster presentations : 03

Trainings attended: 12

Database/ software developed :

1. A Database on Snakes of Mizoram was developed using PHP, Apache and MySQL Server (Web -Server technology).
2. PROT-PROP: A Java- application to predict the subcellular location of a protein based on physiochemical properties.
3. GC-Graphing: A Java-application to plot GC contents of Intergenic and Intragenic regions of genome - www.mzu.edu.in/schools/biotechnology.html

Research Papers Reviewed for Journals:

1. Gene
2. PLoS ONE
3. frontiers in Physiology
4. Electrophoresis
5. DNA and Cell Biology
6. Scientific Reports

Details of Professional Trainings

1. Post Graduate Diploma in Computer Applications (PGDCA):- 1999 Bharathiar University, Coimbatore
- 2.
- 3.

Seminar/Symposia/Workshop Organized

Please refer to DBT – Bioinformatics Infrastructural Facility and Advanced State Biotech Hub activities

<https://www.mzu.edu.in/index.php/facilities/dbt-state-biotech-hub-bioinformatics-centre>

Research Projects

| <i>Research Project</i> | <i>Agency & Amount</i> | <i>Duration</i> |
|---|--|-----------------|
| Detection of Chromosomal and mitochondrial mutations in a cohort of Gastric Cancer patients from Mizoram, Northeast India - By using Deep and Sanger sequencing methods | Uexcel - DBT, New Delhi Rs. 155 lakhs | 2016 - 2019 |
| Mitochondrial and nuclear gene mutations/polymorphisms and their association with Gastric Cancer in Mizoram and West Bengal | Twining - DBT, New Delhi Rs. 77.28 lakhs | 2013 - 2016 |
| Investigation of the cytotoxic morphological and biochemical changes of HeLa (Human cervical carcinoma) and HepG2 (Human hepato carcinoma) cancer cell lines using Foldscope microscope | DBT, New Delhi Rs. 08 lakhs | 2018 - 2019 |
| Barcoding and Diversity Analysis of Earthworms of Northeast India | DBT, New Delhi Rs. 29 lakhs | 2017 - 2020 |
| Investigations on anticancer property of Pierisin from Pierid butterflies of Northeast India | Twining - DBT, New Delhi Rs. 29 lakhs | 2012 - 2015 |

| | | |
|---|--|-------------|
| Screening for Insecticidal susceptibility and molecular characterization of <i>Anopheles minimus</i> and <i>A. dirus</i> using RAPD-PCR | CSIR, New Delhi Rs.15 lakhs | 2009 – 2012 |
| Diversity Assessment and RAPD-PCR Characterization of <u>Nymphalida</u> species of Butterflies and their Implications in Phylogeny and Conservation | DST- Fast Track Young Scientist, New Delhi. Rs. 15 lakhs | 2009 – 2012 |

International Projects

National Projects

| <i>Projects – Establishment</i> | <i>Agency & Amount</i> | <i>Duration</i> |
|---|--|-------------------|
| Coordinator: State Biotech Hub | DBT, New Delhi Rs. 404.31 lakhs | 2011 onwards |
| Coordinator: Bioinformatics Infrastructure Facility | DBT-BTISNet, New Delhi Rs. 100 lakhs | June 2008 onwards |
| Coordinator: Digital e-library consortium (DeLCON) | DBT, New Delhi Rs. 100 lakhs | 2010 onwards |
| Coordinator: Online access facility for library resources for Secondary and Higher Secondary Schools (OAFLR) | DBT, New Delhi Rs. 12.5 lakhs | 2010 onwards |

Research & Teaching Experience

Research:18Years

Teaching:UG 02 Years

PG+Ph.D. 18Years

Total Number of Publications

- i) **Research Papers:91**
- ii) **Review Papers:**
- iii) **Books/Book Chapters: 3**
- iv) **Articles in News Papers/Magazines etc.: 08**

Citation Details (as on September 2018)

| | Google Scholar | Scopus |
|-----------------|-----------------|--------|
| h index | 1510 | |
| i10 index | 27..... | |
| Total Citations | 1157 401 | |

Cumulative Impact factor 155.701

Link for Google Scholar: [Senthil Kumar Nachimuthu-Google Scholar](#)

Link for ResearchGate or Scopus: Scopus ID: 6507282654

Research Guidance:

i) **Ph.D.** 10 Awarded

7 Registered

ii) **M.Phil** 7 Awarded

4 Registered

List of Ph.D./M.Phil Awarded:

i) **Ph.D. Guided:**

1. Molecular characterization of *Bt* isolates from Mizoram soils and their cry gene toxicity – **Zothansanga, Biotechnology.**
2. Molecular Phylogeny of *Anopheline* mosquito species of Mizoram and characterization of their resistant genes – **Rita Zomuanpuii, Biotechnology.**
3. Comparative phylogeny of few Nymphalid butterfly species distributed across North East India using mitochondrial and nuclear marker genes - **Catherine Vanlalruati, Biotechnology**
4. Genetic Divergence and Phylogenetic relationship of Honey bee population in Mizoram - **Liansangmawii Chhakchhuak, Biotechnology.**
5. Biochemical and Molecular analysis of host plant interaction in *Bombyx mori* L strains- **Ruth Lalfelpuii, Biotechnology.**
6. Antioxidant potential of few selected Medicinal Plants of Mizoram and Investigation of their anti-ulcer activity in Induced Albino Rats- **H. Lallawmawma, Biotechnology**
7. Studies on bacterial diversity in the natural forest and jhum soils of Mizoram: a metagenomic approach- **Surajit De Mandal, Biotechnology**
8. Analysis of mutations in key trigger genes associated with gastric cancer from subtyping to early prognostic assessment- **Souvik Ghatak, Biotechnology**
9. Characterization of the Cytotoxic Protein Pierisin from Pierid butterflies- **S.Sarathbabu, Biotechnology.**
10. Evaluation of Bioactive Potential and Phylogenetic Analysis of Selected Species of Family Asteraceae- **Garima Singh, Biotechnology**

ii) **Ph.D Guiding**

1. Prevalence of *Helicobacter pylori* genotypes and their association with Interleukin-1- Beta in patients with gastritis from Aizawl, Mizoram- **Subhajit Mukherjee, Biotechnology.**
2. Genetic Perspectives of Type 2 Diabetes Susceptibility in Mizo Population, Mizoram, Northeast India- **Freda Lalrohlu, Biotechnology.**
3. Characterization of clinically significant mutations associated with Breast Cancer in Mizo population- **Doris Zodinpuii, Biotechnology.**
4. Molecular typing, biofilm formation and antibiotic sensitivity assay of *Listeria spp.* isolated from foods of animal origin- **DipikaMalakar, Biotechnology.**
5. Identification of Recurrent Genomic Alterations in Gastric Adenocarcinoma in Mizo population- **Payel Chakraborty, Biotechnology.**
6. Characterization of *Mycobacterium tuberculosis* associated with Pulmonary Tuberculosis in Mizoram using Genomic Approaches- **Christine Vanlalbiakdiki Sailo, Biotechnology.**
7. Studies on the germline mutations, cancer stem cell and epithelial mesenchymal transition markers in the aetiology of colorectal cancer- **LitikaVermani, Biotechnology.**

III). **M.Phil. Guided**

1. Analysis of phylogenetic relationship among species of Danainae butterflies (Lepidoptera: Nymphalidae) using nuclear and mitochondrial gene markers – **Lalhimpuia Pachuau, Biotechnology.**
2. Molecular phylogenetic analysis of wild silk moth species of Mizoram as revealed by mitochondrial and nuclear gene markers – **Ruth Lalfelpuii, Biotechnology.**

3. Analyses of mutation in cell cycle genes associated with gastric cancer in Mizo population – **Ravi Prakash Yadav, Biotechnology.**
4. Study on the prevalence of High-Risk Human Papillomavirus genotypes using PCR and Hybrid Capture 2 Assay among Mizo women with cervicitis, pre-neoplastic lesions (CIN) and cervical cancer- **Christine Vanlalbiakdiki Sailo, Biotechnology.**
5. Study of Ataxia-Telangiectasia Mutated (ATM) gene profile in Breast cancer patients among Mizo population- **Indira Sonar, Biotechnology.**
6. Distribution of Bacterial Population associated with different organs of edible mud crab (*Scylla olivacea*Herbst, 1896) and their antimicrobial potential- **Joanne Zote, Biotechnology.**
7. Enumeration of microbial population from fermented fish -**S. Samarjit Singh, Biotechnology**

III). M.Phil. Guiding

1. Association of Gene Mutations to Tuberculosis Susceptibility in relation to epidemiological factors in Mizo population- **Mary Vanlalhrui Tonsing, Biotechnology.**
 2. Detection of fusion genes and their expression in gastric cancer patients in Mizo population- **Ranjan Jyoti Sarma, Biotechnology.**
 3. Mutational screening of key genes in RTK/RAS signaling pathway associated with Pediatric Leukemia in Mizo population- **Andrew Vanlallawma, Biotechnology.**
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Expert Talk/Chaired Technical Sessions:

| Name | Organization | Year | Purpose |
|-----------------|---|------------------------|--|
| Resource Person | Jahangirnagar University, Dhaka, Bangladesh | September 05 - 06 2018 | Hands-on training workshop on "DNA Barcoding: Use of Molecular Techniques and Bioinformatics" |
| Resource Person | Chittagong Veterinary and Animal Sciences University(CVASU), Bangladesh and jointly organized by Bangladesh Barcode of Life (BanglaBOL) | March 04 - 06 2017 | Hands-on training workshop on "Molecular tools used for DNA barcoding". Sole Resource person - delivered 6 lectures and 6 Hands-on practical sessions on Molecular techniques and Bioinformatics |

Full Details of Published Papers

(A) Book/Book Chapters

| | |
|---|--|
| Molecular Biology Principles and Methods – A Practical Approach. Pp.1- 215 | Practical Manual ISBN 81-86535 – 61 –6. Panima Publishers |
| Microbiology – A Practical Approach. Pp.1- 115 | Practical Manual ISBN 81-86535 – 61 –6. Panima Publishers |
| Bioinformatics – A Student Companion. Pp.1- 283 | Practical Manual ISBN 978-981-10-1857-2. Springer Nature |
| Biotechnological Potential of Thermophilic Actinobacteria Associated With Hot Springs | Book Chapter- New and Future Developments in Microbial Biotechnology and Bioengineering, Page: 155-164 |

(B) Review Papers

(C) Research Papers

| Sl. No | Publication Titles | Year/ Name of the Journal | ISSN/ISBN No | Impact Factor |
|--------|---|---------------------------|-----------------|---------------|
| 1. | Metagenomic analysis and the functional profiles of traditional fermented pork fat 'sa-um' of Northeast India | (2018)AMB Express | ISSN: 2191-0855 | 2.38 |
| 2. | Tuibur: tobacco in a bottle—commercial production of tobacco smoke-saturated aqueous concentrate | (2018) Addiction | ISSN: 0965-2140 | 5.789 |
| 3. | Five Years Record on Cancer Incidence from a Diagnostic Centre in Mizoram, Northeast India. | (2018) Cancer Health | ISSN 2573-9530 | |

| | | Disparities | | |
|-----|--|---|--------------------|-------|
| 4. | Phylogenetic affiliation and determination of bioactive compounds of bacterial population associated with organs of mud crab, <i>Scylla olivacea</i> | (2018) Saudi Journal of Biological Sciences | ISSN: 1319-562X | 3.138 |
| 5. | Traditional fermented fish harbors bacteria with potent probiotic and anticancer properties | (2018) Biocatalysis and agricultural biotechnology | ISSN: 1878-8181 | |
| 6. | MicroRNA hsa-miR-324-5p Suppresses H5N1 Virus Replication by Targeting the Viral PB1 and Host CUEDC2 | (2018) Journal of virology | ISSN 1098-5514 | 4.368 |
| 7. | Analyzing plant growth promoting <i>Bacillus</i> sp. and related genera in Mizoram, Indo-Burma biodiversity Hotspot | (2018) Biocatalysis and agricultural biotechnology | ISSN: 1878-8181 | |
| 8. | Influence of TP53 gene somatic mutations in <i>Helicobacter pylori</i> infected gastric tumor | (2018) Meta Gene | ISSN: 2214-5400 | |
| 9. | Lifestyle chemical carcinogens associated with mutations in cell cycle regulatory genes increases the susceptibility to gastric cancer risk | (2018) Environmental Science and Pollution Research | IISN No: 0944-1344 | 2.8 |
| 10. | Novel AKT1 mutations associated with cell-cycle abnormalities in gastric carcinoma | (2018) Personalized Medicine 15 (2), 79-86 | ISSN: 1741-0541 | 1.010 |
| 11. | Collective transcriptomic deregulation of hypertrophic and dilated cardiomyopathy – Importance of fibrotic mechanism in heart failure | (2018) Computational Biology and Chemistry 73, 85–94 | ISSN: 1476-9271 | 1.331 |
| 12. | Antimicrobial, antioxidant and probiotics characterization of dominant bacterial isolates from traditional fermented fish of Manipur, North-East India | (2018) Journal of Food Science and Technology, 1-10 | ISSN: 0022-1155 | 1.262 |
| 13. | Testicular toxicity and sperm quality following copper exposure in Wistar albino rats: ameliorative potentials of L-carnitine | (2018) Environmental Science and Pollution Research 25 (2), 1837-1862 | ISSN: 1614-7499 | 2.741 |
| 14. | Pharmacological potential of <i>Bidenspilosa</i> L. and determination of bioactive compounds using UHPLC-QqQ LIT-MS/MS and GC/MS. | (2017) BMC Complementary and Alternative medicine 17 (1), 492 | ISSN: 1472-6882 | 2.28 |
| 15. | Bacterial diversity analysis of Yumthang hot spring, North Sikkim, India by Illumina sequencing. | (2017) <u>7</u> Big Data Analytics <u>2</u> (1), | ISSN: 2058-6345 | 1.693 |
| 16. | Polymorphisms in ADH1B and ALDH2 genes associated with the increased risk of gastric cancer in West Bengal, India. | (2017) BMC cancer <u>17</u> (1), 782 | ISSN: 1471-2407 | 3.362 |

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|-----|--|--|-----------------|--------|
| 17. | Prevalence of multi drug resistant enteropathogenic and enteroinvasive <i>Escherichia coli</i> isolated from children with and without diarrhea in Northeast Indian population. | (2017) Annals of clinical microbiology and Antimicrobials 16 (1), 49 | ISSN: 1476-0711 | 1.667 |
| 18. | Essential role of HCMV deubiquitinase in promoting oncogenesis by targeting anti-viral innate immune signaling pathways. | (2017) Cell death & disease 8 (10), e3078 | ISSN: 2041-4889 | 5.965 |
| 19. | Structural basis to stabilize the domain motion of BARD1-ARD BRCT by CstF50. | (2017) Scientific Reports 7 (1), 3849 | ISSN: 2045-2322 | 4.259 |
| 20. | Biosynthesis of silver nanoparticles using <i>Myristica fragrans</i> seed (nutmeg) extract and its antibacterial activity against multidrug-resistant (MDR) <i>Salmonella enterica</i> serovar Typhi isolates. | (2017) Environmental Science and Pollution Research 1-12 | ISSN: 1614-7499 | 2.741 |
| 21. | Mitochondrial control region and GSTP1 polymorphism associated with familial urinary bladder cancer in Karbi-Anglong tribe of Assam, Northeast India. | (2017) Egyptian Journal of Medical Human Genetics 18 (1), 99-104 | ISSN: 1110-8630 | 0.89 |
| 22. | Antioxidant potential, anti-inflammatory activity and gastroprotective mechanisms of <i>Mallotus roxburghianus</i> (Muell.) against ethanol-induced gastric ulcers in Wistar albino rats. | (2017) Journal of Functional Foods 36, 448-458 | ISSN: 1756-4646 | 3.144 |
| 23. | Meta-barcoding in combination with palynological inference is a potent diagnostic marker for honey floral composition. | (2017) AMB Express 7 (1), 132 | ISSN: 2191-0855 | 2.38 |
| 24. | Green synthesis of magnetic Fe ₃ O ₄ nanoparticles using <i>Couroupitaguianensis</i> Aubl. fruit extract for their antibacterial and cytotoxicity activities. | (2017) Artificial Cells, Nanomedicine, and Biotechnology 46(3):589-598 | ISSN:2169-1401 | 5.605 |
| 25. | S Ghatak, P Chakraborty, SR Sarkar, B Chowdhury, A Bhaumik, N Senthil Kumar. Novel APC gene mutations associated with protein alteration in diffuse type gastric cancer | (2017) BMC Medical Genetics 18 (1), 61 | ISSN: 1471-2350 | 2.09 |
| 26. | S De Mandal, R Chatterjee, NSenthil Kumar Dominant bacterial phyla in caves and their predicted functional roles in C and N cycle | (2017) BMC microbiology 17 (1), 90 | ISSN: 1471-2180 | 2.58 |
| 27. | LR Yadav, MN Biswal, MV Hosur, NSenthil Kumar, AK Varma. Structural basis to characterise transactivation domain of BRCA1 | (2017) Journal of Biomolecular Structure and Dynamics 35 (1), 1-7 | ISSN: 0739-1102 | 2.3 |
| 28. | Roy, V. K., Peki, V., Devi, M. S., Sanjeev, S., Khusboo, M., Zothansanga, R., and Gurusubramanian, G. Biosterilant effects of <i>Bacillus thuringiensis</i> kurstaki HD-73 extract on male Wistar albino rats. | (2017) Theriogenology, 88, 73-83 | ISSN: 0093-691X | . 1.83 |
| 29. | Ibrahim, K. S., Momin, M. D., Lalrotluanga, R., Rosangliana, D., Ghatak, S., Zothansanga, R., & Gurusubramanian, G. Influence of shifting cultivation practices on soil-plant-beetle interactions. | (2016). Environmental Science and Pollution Research, 23(16), | | 2.85 |

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|-----|---|--|-----------------|-------|
| | | 201-229. | | |
| 30. | Souvik Ghatak, Ravi Prakash Yadav, Freda Lalrohlu, Payel Chakraborty, SoumeeGhosh, SudakshinaGhosh, Madhusudan Das, Jeremy L. Pautu, John Zohmingthanga, Nachimuthu Senthil Kumar .Xenobiotic Pathway Gene Polymorphisms Associated with Gastric Cancer in High Risk Mizo-Mongoloid Population, Northeast India | (2016) Helicobacter | ISSN: 1523-5378 | 4.106 |
| 31. | Garima Singh, Ajit K. Passari, Vincent V. Leo, Vineet K. Mishra, Sarathbabu Subbarayan, Brijesh Kumar, Bhim P. Singh, Sunil Kumar, HauzelLahlenmawia, Vijai K. Gupta, Nachimuthu Senthil Kumar .Evaluation of phenolic content variability, antioxidant, antimicrobial and cytotoxic potential of selected traditional medicinal plants from India | (2016) Frontiers in Plant Science 7:407 DOI: 10.3389/fpls.2016.00407 | ISSN: 1664-462X | 3.95 |
| 32. | Sarathbabu Subbarayan, Satheesh Kumar Marimuthu, Nachimuthu Senthil Kumar , Wenqing Zhang, Selvi Subramanian.Characterization and cytotoxic activity of apoptosis-inducing pierisin-5 protein from white cabbage butterfly | (2016) Int. Journal of Biological Macromolecules 87:16–27 | ISSN: 0141-8130 | 2.858 |
| 33. | SoumeeGhosh, SudakshinaGhosh, BiswabandhuBankura, MakhanLalSaha, SuwenduMaji, Souvik Ghatak, Arup Kumar Pattanayak, SusantaSadhukhan, ManaleeGuha, Nachimuthu Senthil Kumar , Chinmay Kumar Panda, BiswanathMaity, Madhusudan Das.Association of DNA repair and xenobiotic pathway gene polymorphisms with genetic susceptibility to gastric cancer patients in West Bengal, India | (2016) Tumor Biology 1-11 | ISSN: 1423-0380 | 3.611 |
| 34. | Surajit De Mandal, Zothansanga, Amrita Kumari Panda, Satpal Singh Bisht, Nachimuthu Senthil Kumar .MiSeq HV4 16S rRNA gene analysis of bacterial community composition among the cave sediments of Indo-Burma biodiversity hotspot | (2016) Environmental Science and Pollution Research 1-11 | ISSN:1614-7499 | 2.828 |
| 35. | FredaLalrohlu, SunainaThapa, Souvik Ghatak, John Zohmingthanga, Nachimuthu Senthil Kumar .Mitochondrial complex I and V gene polymorphisms in type II diabetes mellitus among high risk Mizo-Mongoloid population, Northeast India | (2016) Genes & Environment 38:5 (1), 1 DOI: 10.1186/s41021-016-0034-z | ISSN:1880-7062 | |
| 36. | Souvik Ghatak, Ravi Prakash Yadav, Hanumath Singh Rathore, Keheibamding Thou, Felix Jakha, K. ToskaSumi, Zothan Sanga, Nachimuthu Senthil Kumar .Mitochondrial control region and GSTP1 polymorphism associated with familial urinary bladder cancer in Karbi-Anglong tribe of Assam, Northeast India | (2016) Egyptian Journal of Medical Human Genetics DOI: http://dx.doi.org/10.1016/j.ejmhg.2016.02.002 | ISSN: 1110-8630 | |
| 37. | Surajit De Mandal, Amrita Kumari Panda, Satpal Singh Bisht, Nachimuthu Senthil Kumar .Microbial Ecology in the Era of Next Generation Sequencing | (2016) Next Generation: Sequencing & Applications DOI: S1:001. | ISSN: JNGSA | |

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|-----|---|--|-----------------|-------|
| | | doi:10.4172/jngs a.S1-001 | | |
| 38. | Rebecca Lalmanpuii, Souvik Ghatak, Jeremy L Pautu, Doris Lallawmzuali, Rajendra Bose Muthukumar, Nachimuthu Senthil Kumar . Mutation Profiling in Mitochondrial D-Loop Associated with Stomach Cancer and Tobacco Consumers | (2015) Journal of Clinical & Medical Genomics. 3, 1-8 | ISSN: JCMG | 0.67 |
| 39. | LalroKimi, Souvik Ghatak, Ravi Prakash Yadav, LalhmaChhuani, Doris Lallawmzuali, Jeremy L Pautu, Nachimuthu Senthil Kumar . Relevance of GSTM1, GSTT1 and GSTP1 Gene Polymorphism to Breast Cancer Susceptibility in Mizoram Population, Northeast India | (2015) Biochemical Genetics. 1-9 | ISSN: 1573-4927 | 0.86 |
| 40. | Rajan Kumar Choudhary, Vikrant, Quadir M Siddiqui, Pankaj S Thapa, SwetaRaikundalia, Nikhil Gadewal, Nachimuthu Senthil Kumar , MV Hosur, Ashok K Varma. Multimodal approach to explore the pathogenicity of BARD1, ARG 658 CYS, and ILE 738 VAL mutants. | (2015) Journal of Biomolecular Structure and Dynamics. 1-12 | ISSN: 0739-1102 | 2.9 |
| 41. | Vineet Kumar Mishra, Ajit Kumar Passari, K. Vanlalhmangaihi, Nachimuthu Senthil Kumar , Bhim Pratap Singh. Antimicrobial and antioxidant activities of <i>Blumealanceolaria</i> (Roxb.) | (2015) Journal of Medicinal Plants Research. 9, 84-90 | ISSN: 1996-0875 | |
| 42. | SunainaThapa, Freda Lalrohlui, Souvik Ghatak, John Zohmingthanga, Doris Lallawmzuali, Jeremy L Pautu, Nachimuthu Senthil Kumar . Mitochondrial complex I and V gene polymorphisms associated with breast cancer in mizo-mongloid population. | (2015) Breast Cancer.1-10 | ISSN: 1880-4233 | 1.585 |
| 43. | Liansangmawii Chhakchhuak, Surajit De Mandal, Guruswami Gurusubramanian, NaganeeswaranSudalaimuthu, ChellappaGopalakrishnan, Raja C Mugasimangalam, Vanramliana, Nachimuthu Senthil Kumar . Complete mitochondrial genome of the Himalayan honey bee, <i>Apislaboriosa</i> . | (2015) Mitochondrial DNA. 1-2 | ISSN: 1940-1744 | 1.20 |
| 44. | Surajit De Mandal, HT Lalremsanga, Nachimuthu Senthil Kumar . Bacterial diversity of Murlen National Park located in Indo-Burman Biodiversity hotspot region: A metagenomic approach | (2015) Genomics Data(<i>Elsevier</i>). 5, 25-26 | ISSN: 2213-5960 | |
| 45. | Surajit De Mandal, Amrita Kumari Panda, Esther Lalnunmawii, Satpal Singh Bisht, Nachimuthu Senthil Kumar . Illumina-based analysis of bacterial community in Khuangcherapuk cave of Mizoram, Northeast India | (2015) Genomics Data(<i>Elsevier</i>). 5, 13-14 | ISSN: 2213-5960 | |
| 46. | Catherine Vanlalruati, Surajit de Mandal, Gurusubramanian Guruswami, Nachimuthu Senthil Kumar . Complete mitochondrial genome of Chocolate pansy <i>Junoniaiphita</i> (Lepidoptera: Nymphalidae: Nymphalinae). | (2015) Mitochondrial DNA DOI: 10.3109/1940179401736.2015.1033701 | ISSN: 1940-1736 | 1.701 |
| 47. | Ravi Prakash Yadav, Kalibulla Syed Ibrahim, Guruswami Gurusubramanian, Nachimuthu Senthil Kumar . In silico docking studies of non-azadirachtinlimonoids against ecdysone receptor of <i>Helicoverpa armigera</i> . | (2015) Medicinal Chemistry Research. 24 | ISSN: 1054-2523 | 1.63 |

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|-----|--|---|-------------------|------------------------|
| | | (6): 2621-2631. | | |
| 48. | Chhakchhuak L, De Mandal S, Gurusubramanian G, Senthil Kumar N. The near complete mitochondrial genome of the Giant honey bee, <i>Apis dorsata</i> (Hymenoptera: Apidae: Apinae) and its phylogenetic status. | (2015) Mitochondrial DNA DOI 10.3109/19401736.2015.1066359. | ISSN: 1940-1736 | 1.701 |
| 49. | Surajit de Mandal, Zothansanga, Amrita Kumari Panda, Satpal Singh Bist, Nachimuthu Senthil Kumar. First report of bacterial community from a bat guano using Illumina next-generation sequencing. | (2015) Genomics Data(<i>Elsevier</i>). 4:99-101 | | |
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Additional Publications

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