

Faculty Details

| Title Dr | | First Name | Regina Devi | Last Name | Thou | dam | Photograph | | |
|--|----------|--------------------------------------|------------------------------|----------------------|---------|--|------------|--|--|
| Designation Address (Office) | | Assistant Professor Gargi College | | | | | | | |
| Contact No. (Mobile) | | 9958652213 | | | | | | | |
| Email | | | n.regina.devi@gargi.du.ac.in | | | | | | |
| EDUCATIONAL QUALIFICATIONS | | | | | | | | | |
| Degree | | N 11 11 212 | Instit | Year | | | | | |
| Ph.D | | National Institu | ite of Pathol | ogy (ICMR), Ne | 2013 | | | | |
| M.Sc | | Jiwaji Universit | niversity, Gwalior | | | | 2005 | | |
| B.Sc | | D.M. College o | llege of science, Manipur | | | | 2002 | | |
| | R PROFIL | E | | | | | | | |
| Career Pr | ofile | | | | | | | | |
| Organisation/Institution | | tion Desig | gnation | Durati | on R | Role | | | |
| Gargi College, DU | | Assis | tant Profess | or 2015- till dat | | Teaching and Research | | | |
| DST, Ministry of Science and Technology | | nce Analy | <i>i</i> st | 2013- 2015 | S | Analysis and evaluation of Scientific Projects and management in relation with the proper functioning of the projects | | | |
| National Institute of Pathology (ICMR) | | Resea | arch Scholar | 2009- 2012 | g re | To study the molecular signature o gastric cancer in high prevalence region of north east India to understand the molecular | | | |

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| | | | pathogenesis |
|---|------------------|---------------|--|
| National Institute of Pathology (ICMR) | Research Scholar | 2005- 2009 | Role of tobacco in the causation of cancer in north east India |

ADMINISTRATIVE ASSIGNMENTS

Magazine Editor, Department of Zoology, Gargi College. 2018-2019 with Dr. Chaitali.

Organizing Member of Northeast Fest 2016-2017, 2017-2018 and 2018-2019 Gargi College.

Curriculum Revision for Diversity of Chordates as Team Member, Delhi University. (Jan. 2019- June 2019).

Committee member "Computer lab. Committee" and "Equal Opportunity Cell" 2017-2018.

Magazine Editor, Department of Zoology, Gargi College. 2019-2020 with Dr. Madhu.

Admission duty are executed time to time along with other colleague. AREAS OF INTEREST / SPECIALIZATION

Genomics, Expression analysis, Pathway study, and Gene environment interactions

SUBJECT TAUGHT

Molecular Biology, Research Methodology, Human Physiology, Animal Diversity, Chordate, Non-Chordate, Wildlife and management, Comparative Anatomy etc

RESEARCH GUIDANCE

REFRESHER COURSE/ORIENTATION PROGRAMME/FACULTY DEVELOPMENT PROGRAMMES ATTENDED:

PUBLICATIONS PROFILE

1. Distribution of Glutathione S-transferase T1 and M1 genes polymorphisms in North East Indians: A potential report. <u>Thoudam RD</u>, Yadav DS, Mishra AK, Kaushal M, Ihsan R, Chattopadhyay I, Chauhan P, Sarma J, Zomawia E, Verma Y, Nandkumar A, Mahanta J, Phukan RK, Kapur S, Saxena S. *Genetic Testing and Molecular Biomarkers. Volume 14, Number 2, 2010.*

2. Polymorphisms of Glutathione-S-transferase (GST) genes and the risk of aerodigestive cancers in Northeast Indian population. Dhirendra Singh. Yadav, <u>Thoudam Regina Devi</u>, Rakhshan Ihsan, AK Mishra, Mishi Kaushal, Indranil Chattopadhyay, Pradeep Singh Chauhan, Jagannath

Sharma, Eric Zomawia, Yogesh Verma, A. Nandkumar, Jagadish Mahanta, Rupkumar Phukan, Sunita Saxena., Sujala Kapur. *Genetic Testing and Molecular Biomarker. Volume 14, Number 5, 2010.*

3. Investigation on the role of *p53* codon 72 polymorphism and interactions with tobacco, betel quid and alcohol in susceptibility to cancers in a high risk population from north east India. Rakhshan Ihsan, *Thoudam Regina Devi*, Dhirendra Singh Yadav, Ashwani Kumar Mishra, Jagannath Sharma, Eric Zomawia, Yogesh Verma, Rupkumar Phukan, Jagadish Mahanta, Amal Chandra Kataki, Sujala Kapur, Sunita Saxena. *DNA and Cell Biology.* 2011 Mar;30(3):163-71

4. Association of Glutathione S-Transferase, EPHX, and p53 codon 72 Gene Polymorphisms with Adult Acute Myeloid Leukemia. Pradeep Singh Chauhan, Rakhshan Ihsan, Dhirendra Singh Yadav, Ashwani Kumar Mishra, Bharat Bhushan, Abha Soni, Mishi Kaushal, <u>Thoudam Regina Devi</u>, Sumita Saluja, Dipendra Kumar Gupta, Vishakha Mittal, Sunita Saxena, and Sujala Kapur. *DNA and Cell Biology.* 2011 Jan;30(1):39-46.

5. Gene Expression Profile and Mutational Analysis of DNA Mismatch Repair Genes in Carcinoma Prostate in the Indian Population. Abha Soni, Sunita Saxena, Anju Bansal, L.C. Singh, Ashwani Mshra, Majinak Majumdar, *Thoudam Regina*, and Nayan Mohanty. *OMICS A Journal of Integrative Biology.* 2011 May;15(5):319-24.

6. Study on predictive role of AR and EGFR family genes with response to neoadjuvant chemotherapy in locally advanced breast cancer in Indian women. L. C. Singh, Anurupa Chakraborty , Ashwani K. Mishra, *Thoudam Regina Devi*, Nidhi Sugandhi, Chintamani, Dinesh Bhatnagar, Sujala Kapur, Sunita Saxena. *Medical Oncology*. 2012 Jun;29(2):539-46.

7. Vitamin D receptor gene polymorphism(s) and breast cancer risk in north Indians. Anurupa Chakraborty, Ashwani K. Mishra, Abha Soni, *Thoudam Regina*, R. Mohil, D. Bhatnagar, A. Bhatnagar, Chintamani Chintamani, P.C. sharma, Sunita Saxena. Cancer Detection and Prevention. *2009;32(5-6):386-94.*

8. Association of interleukin-1 β -511 C/T polymorphism with tobacco-associated cancer in northeast India: a study on oral and gastric cancer. Meena Lakhanpal, Dhirendra Singh Yadav, Thoudam Regina Devi, Laishram Chandreshwar Singh, Khangembam Jitenkumar Singh, Santhi P. Latha, Pradeep Singh Chauhan, Yogesh Verma, Eric Zomavia, Jagannath Sharma, Amal Chandra Kataki, Sunita Saxena, Sujala Kapur. Cancer Genetics. Epub 2014 Jan 16.

9..A pilot study evaluating genetic alterations that drive tobacco and betel quid-associated oral cancer in Northeast India. Dhirendra Singh Yadav, Indranil Chattopadhyay, Anand Verma, Thoudam Regina Devi, L.C. Singh, Jagannath Dev Sharma, Amal Ch. Kataki, Sunita Saxena, Sujala Kapur.Tumor Biol. 2014 Sep;35(9):9317-30

E CHAPTERS/STUDY MATERIALS

PAPERS PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCES/SEMINARS/SYMPOSIA <u>Abstracts in Proceedings</u>

1. <u>*Th. Regina Devi*</u>, D.S. Yadav, A.C. Kataki, E. Zamoawia, Yogesh Verma, S. Kapur, S. Saxena "**Polymorphisms of tumour protein P53 genes and the risk of developing gastric cancer in Northeast India.**" in "International symposium on Ethics Culture and population genomics' & 34th annual conference of the Indian society of Human Genetics" organized by ISHG and ASI in New Delhi from March 17-20, 2009. **[poster presentation]**

2. <u>Regina D Thoudam</u>, Dhirendra S Yadav, I Chattopadhyay, AC Kataki, E Zamoawia, S Kapur, S Saxena. "Differential gene expression profile of stomach and oral cancer in high risk region of India" in 13th Human genome meeting (HGM 2008) on "Genomics and the Future of Medicine" held in Hyderabad on September 27-30, 2008. [poster presentation]

3. <u>*Th. Regina Devi*</u>¹, D.S. Yadav¹, A.C. Kataki², E. Zamoawia³, Y. Verma⁴, S. Kapur¹, S. Saxena. **Detoxifying enzyme genotypes and susceptibility to Gastric cancer**. National Conference on Emerging Trends in Life Sciences Research. March 6-7, 2009. Birla Institute of Technology & Science, Pilani, Rajasthan. **[poster presentation]**

4. D.S. Yadav, <u>*Th. Regina Devi*</u>, J. Sharma, Y. Verma, E. Jamoivia, S. Kapur, S. Saxena. **Genetic Polymorphisms of** *CYP1A1* **genotypes in patients with oral cancer**. National Conference on Emerging Trends in Life Sciences Research. March 6-7, 2009. Birla Institute of Technology & Science, Pilani, Rajasthan.

5. D.S. Yadav, *Th. Regina*, R. Ihsan, P. S. Chauhan, I. Chattopadhyay, A. C. Kataki, J. Sharma, E. Zamoawia, Y. Verma, S. Kapur and S. Saxena. **Prevalence of Glutathione S-Transferase** (GST) Polymorphisms in Tobacco-Associated Malignancies in High Risk Northeast Indian Population. International Symposium on cancer Biology, November 14-16 2007, National Institute of Immunology (NII), New Delhi.

6. D.S. Yadav, <u>*RD Thoudam*</u>, AC Kataki, E Zamoawia, Y Verma, S. Kapur, S. Saxena. Codon 72 of *TP53* gene Polymorphism in oral cancer and stomach cancer in high-risk region of India. Human Genome Meeting, Hyderabad, September 27-30, 2008.

7. D.S. Yadav, <u>*Th. Regina Devi*</u>, A.K.Mishra, J. Sharma, Y. Verma, E. Jamoivia, S. Kapur, S.Saxena. **Genetic polymorphisms of** *CYP1A1* genotypes in various ethnic groups of India. International symposium on Ethics Culture and population genomics & 34th annual conference of the Indian society of Human Genetics" organized by ISHG and ASI, March 17-20, 2009, New Delhi.

8. Ihsan Rakhshan, Kaushal M., *Th. R. Devi*, Yadav D. S., Soni A., Mishra A. K., Kataki A. C., Sharma J., Behera D., Jaiswal A., Gupta K., Kapur Sujala, Saxena Sunita. **Study of interactions between Glutathione-S-transferase metabolic enzymes and smoking in lung cancer.** International Symposium on Frontiers in Functional Genomics, 27th Annual Convention,

February 7-6, IACRCON 2008, Ahmedabad.

9. Kaushal Mishi, Chakraborty A, Bagadi S A Raju, Ihsan R, <u>*Regina T*</u>, Yadav D S, Chatterjee I, Zomawia E, Kataki A C, Sharma J, Verma Y, Mishra A K, Kapur Sujala, Saxena Sunita. Assessment of Breast cancer Risk: Contribution of genetic Polymorphisms in Estrogensynthesizing and Metabolizing Genes. International Symposium on Frontiers in Functional Genomics, 27th Annual Convention, IACRCON, Feb 7-9, 2008, Ahmedabad. (Awarded first prize in poster presentation)

10. Pradeep Singh Chauhan, Rakhshan Ihsan, Ashwani Kumar Mishra, Bharat Bhushan, Sumita Saluja, Mishi Kaushal, Dhirendra Singh Yadav, Abha Soni, <u>Thoudam Regina</u> <u>Devi</u>, Indranil Chattopadhyay, Sunita Saxena, Sujala Kapur. **"Glutathione S-transferase and Microsomal Epoxide Hydrolase Gene Polymorphisms and Risk of Acute myeloid leukemia"** in proceedings of conference entitled "*Hematologic Malignancies: Bridging the Gap 2010*" held in Singapore City, Singapore on Feb 5-7, 2010.

11. Singh Yadav Dhirendra, Thoudam Regina, Mishra Ashwani, Saxena Sunita, Kapur Sujala. **Genetic Polymorphisms of CY1A1, NQO1 and NAT2 and Risk of Oral Cancer in Northeast India: Tobacco Consumption as Risk Modulator.** Human Genome Meeting 2011, 14-17 March 2011, Dubai.

12. <u>*Regina Devi Thoudam*</u>, Dhirendra Singh Yadav, E. Zomawai, L.C. Singh, Indranil C., A.K. Mishra, Sunita Saxena, Sujala Kapur. **Gene expression profiling of gastric adenocarcinoma in high-risk northeastern region of India.** An AACR (American Association for Cancer Research) International Conference on New Horizons in Cancer Research. December 13-16, 2011.

13. Dhirendra singh Yadav , *Regina Thoudam D*, Sujala Kapur, Sunita Saxena et al. *"CYP1A1, NQO1,* and *NAT2* gene polymorphisms and risk of oral cancer in Northeast India: Tobacco consumption as risk modulator" in proceeding of conference entitled "New Horizons in Cancer Research: Biology to Prevention to Therapy" organized by American Association for Cancer Research. December 13-16, 2011, New Delhi, India

CONFERENCE/SEMINARS/SYMPOSIA/WEBINARS/PRESENTATIONS/ORGANIZATION

Organizing Secretary of Webinar on "Entomology in criminal investigation" Gargi College, Delhi University. 20 Aug. 2020

Organizing Committee Member of National Seminar on Use of Scientific and Technical Terminologies in "Sustainable Environment Development, Its Challenges, Computational Analysis and opportunities" organized by Department of Zoology, Gargi College and CSTT, MDRD, Govt. of India on 14-16 March 2019. Chaired a session on National seminar on Use of Scientific and Technical Terminologies in "Sustainable Environment Development, Its Challenges, Computational Analysis and Opportunities" organized by organized by Department of Zoology, Gargi College and CSTT, MDRD, Govt. of India on 14-16 March 2019.

Organizing Committee Member of the Symposium on "Wanderers of Nature: Exploring Wildlife", Department of Zoology, Gargi College. 12 March 2018.

WORKSHOP/TRAINING PROGRAMME ATTENDED

1. One week (online) Interdisciplinary Faculty Development of MOOCs while managing online classes (24 August – 31 August, 2021) organized by Keshav Maha Vidhyalaya, University of Delhi, Mahatma Hanraj Faculty Development Center (Hansraj College, University of Delhi) under PMMMNMTT.

2. Quiz on world Tourism Day, 27 September 2021, Vigyan Setu Foundation.

3. Two-week Refresher Course (online) in "Life Sciences" from 01-15 September 2021 obtained Grade A⁺. Organized by Teaching Learning Center, Ramanujan College, University of Delhi in Collaboration with Miranda House, under the aegis of PMMMNMTT.

4. Virtual talk on IVF on July 23, 2021 under the aegis of DBT Star College Scheme and IQAC, Deshbandhu College (University of Delhi).

5. FDP (online) on "Environmental Audit" from 28 June-2 July 2021 organized by Department of Botany and Zoology of Kirori Mal College, University of Delhi under the aegis of PMMMNMTT.

6. Three days FDP on "Stress Management" conducted by ICT Academy on 20 June 2022 to 22 June 2022 at Gargi College, South Delhi.

7. Participated National webinar on "Understanding Pandemic: A Historical Perspective" Department of History, B.N. College, Dhubri. 15 July 2020.

8. Faculty Development Program on "Covid 19 Pandemic: Challenges" GGBSI University. 27 May-1 June 2020.

9. National Webinar on "OPEN EDUCATIONAL RESOURCES" Gargi College, Chemistry Department. 21 May 2020.

10. International Conference on "Drug Development, its Challenges", Kalindi College. 20 May 2020.

11. Women's Conclave 2019, "Balance for Better", Convention Center, JNU organized by

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Department of Science and Technology and JNU.

12. Workshop and Hands-on-Experience in "Advanced Spectroscopy" and Dynamic Light Scattering". Kirori

13. Mal College. 9 Oct. 2018.

14. One-Week Course on "Research Methodology" (FDP) organized by UGC-Human Resource Development Center, Jamia Milia Islamia, New Delhi. 4-9 February 2019.

15. One-Week workshop (FDP) on "MOOCs, E-Content Development and Open Education Resources" organized by UGC-Human Resource Development Center, Jamia Milia Islamia, New Delhi. 25 February - 2 March 2019.

16. Four Weeks Orientation, CPDHE, Delhi University. 21 Nov.-19 Dec. 2017 organized by UGC-HRDC.

17. Faculty Development Program on "wildlife Conservation and Management" organized by sri Venkateswara College, Under the aegis of DBT Star status. 19 February 2018.

18. National Seminar titled "Mentoring the Teacher-Mentors: Capacity Building Programme". Gargi College. 19-20 January 2018 organized by NAAC and Internal Quality Assurance Cell (IQAC) of Gargi College.

19. Science Academies Lecture Workshop, Department of zoology, Gargi College. 11-12 Jan 2018 organized by Gargi College (University of Delhi).

20. Delegate in "National Conference on Technology Empowerment of Women", Vigyan Bhavna, New Delhi. 8-9 March 2018 organized by DST, DBT and CSIR.

21. Second Task Force Meet under star College Scheme, Gargi College. 8-9 May 2018.

22. Workshop on "DNA FINGERPRINTING", Hindu College, University of Delhi. 22 January 2016

23. Workshop on E-resources for faculty of Humanities, Arts and Science. Gargi College, University of Delhi. 20-27 November, 2015.

24. Training on "7th Capacity Building Programme for Technical Personnel of Science & Technology Departments", Government of India. Indian Institute of Public Administration, New Delhi. 28 September to 9 October 2015.

25. "New Horizons in Cancer Research: Biology to Prevention to Therapy Conference", American Association for Cancer Research. Gurgaon, Delhi. 13-16 December, 2011.

26. National Workshop on Molecular Cytogenetics Cancer Cytogenetics (hematological malignancy) by FISH, Department of Reproductive Biology, All India Institute of Medical Sciences, New Delhi, India. 29 November to 04 December 2010.

27. International Workshop on Molecular and GIS Based Epidemiology of Leprosy. National Institute of Pathology, Safdarjung Hospital Campus, New Delhi, (INDIA). 4 -9 March, 2010.

28. Fourth Workshop on "Genetic Epidemiological methods for the Dissection of Complex Human Traits". TCG- ISI Centre for population Genomics and University of Pittsburgh. Kolkata, India. February 23-28, 2009.

29. International Symposium on "Ethics, Culture and Population Genomics" & 34th Annual

Conference of the Indian Society of Human Genetics. ISHG, New Delhi. 17-20 March 2009.

30. "Genomics and the Future of Medicine", HICC, Hyderabad. HGM2008, 27-30 September 2008.

31. Hands on Training on Microarray technology with analysis and interpretation of data. National Workshop on Microarray Technology, April 2007. National Institute of Pathology (Indian Council of Medical Research), New Delhi.

32. International Symposium on Cancer Biology. National Institute of Immunology, New Delhi. November 2007.

33. 21st Annual Conference. Indian Association of Pathologists and Microbiologists. Institute of pathology, ICMR and Safdarjung Hospital and V.M. Medical College, New Delhi. Delhi Chapter, 16th April, 2006.

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

AWARDS AND DISTINCTIONS

ASSOCIATION WITH PROFESSIONAL BODIES

OTHER ACTIVITIES

Jury for "5th National Level Exhibition & Project Competition" for Innovation in Science Pursuit for Inspired Research. December 06-07, 2015 at IIT Delhi.

Jury member in 6th National Level Exhibition and Project Competition, December 10-11, 2016 organized by Department of Science and Technology held at NPL Delhi.

Jury Member for INSPIRE Award-MANAK 7th National Level Exhibition and Project Competition (NLEPC) on 14 Feb. 2019 at IIT Delhi.

Judge for the "Central Level Science Exhibition" on 15.11.2018 by organized Science Center, Vasant Vihar at Govt. Co-Ed SSS Sec-5, R.K Puram, New Delhi-110022.

Judge for the "Central Level Science Exhibition" on 23 oct 2019 organized by Science Center, Vasant Vihar at Govt. Co-Ed SSS Sec-5, R.K Puram, New Delhi-110022.

Expert Member in 1st meeting of Technical Advisory Committee on "Science Technology, Engineering, mathematics, Medicine (STEMM)- India Initiative" (Bharat Vigyan Darshan) at Fakir Mohan University, Balasore on 30-31 August, 2018.

Expert Member in 2nd meeting of Technical Advisory Committee on "Science Technology, Engineering, mathematics, Medicine (STEMM)- India Initiative" (Bharat Vigyan Darshan) at Hotel Kens-Hyderabad on 13-14 December, 2018.

Expert Member in 3rd meeting of Technical Advisory Committee on "Science Technology,

Engineering, mathematics, Medicine (STEMM)- India Initiative" (Bharat Vigyan Darshan) at Naukuchiyatal, Nainital on 3-4 June, 2019.

Expert Member in 4th meeting of Technical Advisory Committee on "Science Technology, Engineering, mathematics, Medicine (STEMM)- India Initiative" (Bharat Vigyan Darshan) at JNU, New Delhi on 3-4 Oct. 2019.

Expert Member in 1st meeting of Technical Advisory Committee of NCSTC, Children Centric Outreach Programme. Online on 08-10 November, 2021.

2nd Expert Advisory Committee (EAC) for "STEM Demonstration, Science Media & Scientific Literacy". Dated: 16-17 November, 2021 Organized by: NCSTC, Department of Science & Technology Govt. of India, New Delhi.

Post selected through UPSC

Senior Scientific Officer, CFSL, CBI

Analyst, DST, Ministry of Science and Technology