

Ms.Kurunchi C. Divya

Chettinad ID 2962

Assistant Professor
Faculty of Allied Health Sciences
Chettinad Hospital & Research
Institute
Chettinad Academy of Research &
Education



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Qualifications:

Ph.D.: To be Submitted, Chettinad University
M.Phil: 2008, Tamilnadu Veterinary and Animal Sciences University
UGC-CSIR NET: 2011, All India Rank 54
GATE 2010 (99.02 percentile) All India Rank - 110

Research Interests:

Molecular microbiology, Drug Resistance, microbial genomics

Post-Doc / Work Experience:

- 1) 2011 – Present: Asst. Professor, Chettinad Hospital and Research Institute (CHRI), Kelambakkam, Chennai 603 103, INDIA.
- 2) 2008-2011 – Senior Research Fellow, Department of Animal Biotechnology, Madras Veterinary College, Vepery, Chennai 600 007.

Extramural projects ongoing/completed
(Role, title and funding agency only) nil

Patents / GenBank Submissions: Genbank submissions **67**

Research Guidance

Ph.D.: nil

M.Sc.: 05

Summary of Research:

Papers	16	Citations	42	h-index	3	i10-index	1
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Publications :

1. **Kurunchi C Divya**, M Parthiban, S Senthil Kumar, K Kumanan and Mohammed Shafiuzama. 2009. Telomerase activity in canine mammary tumor tissues using PCR-ELISA. *Journal of Immunology and Immunopathology*, 11(2): 61-64.
2. **Kurunchi C Divya**, M Parthiban, G Sathish, K Kumanan and B Mohan. 2011. Detection of oncogenic strains of MDV serotypes 1 in Tamil nadu by Duplex PCR. *Indian Journal of Animal Sciences*, 81(1): 6-8. Impact Factor : 0.3.
3. **Kurunchi C Divya**, A. Jamuna Rani, M. Parthiban and R.Saranya. 2011. Molecular detection of cell culture mycoplasma contaminants in bovine serum. *Indian Journal of Animal Sciences*. 81(2): 146-148. Impact Factor : 0.3.
4. M.Parthiban, **Kurunchi C Divya**, K. Kumanan and S. Bargavi. 2012. A Rapid and Highly Reliable Field-Based Lamp Assay of Canine Parvovirus. *Acta Virologica*. 56: 71-74 Impact Factor : 1.5.
5. M. Parthiban, R. Saranya, **Kurunchi C Divya** and K Kumanan. 2012. Detection of Antigenic variation of canine parvovirus strains of Tamil Nadu using differential PCR. *Indian Journal of Animal Sciences*. 82: 237-239. Impact Factor : 0.3.
6. G. Sathish, M. Parthiban, K. Kumanan, C. Balachandran, and **Kurunchi C Divya**. 2012. Differential diagnosis of avian oncogenic viruses using multiplex PCR in turkeys and poultry layer farms. *Journal of Clinical Microbiology*. 50 (8). Impact Factor: 4.2.
7. B. Balaji, T.M.A.Senthil Kumar, Ramya N. Iyer, **Kurunchi C Divya** and K. Kumanan. 2012. Development of latex agglutination test for serodiagnosis of Marek's disease virus using recombinant glycoprotein B. *Indian Veterinary Journal*. Impact Factor : 0.2.
8. M Parthiban, K S Shalini, **Kurunchi C Divya**, K Kumanan and K S Aarthi. 2014. Rapid detection of fowl adenovirus field samples using loop-mediated isothermal amplification assay. *Indian Journal of Animal Sciences*. 84(1): 22-25. Impact Factor : 0.3.

9. G. Sathish, **Kurunchi C. Divya**, M. Parthiban and A. Wilson Aruni. 2014. In silico analysis show incidence of very virulent Marek's Disease Virus (MDV). *International Journal of Computational Bioinformatics and In Silico Modeling*. 3(3): 374-380
10. Jayanthi,, S, Renuka. B Jeya. M, Meena. N, **Kurunchi C Divya**. 2015. Plasmid Mediated Drug Resistance in *Acinetobacter baumannii* Isolated from Clinical Samples. *Indian Journal of Applied Research* 5 (5), 342-344.
11. G. Sathish , M. Parthiban , **Kurunchi C. Divya**, Kumanan, K., Stalin Vedamanickam. 2015. Detection of Avian Leukosis Viruses in commercial poultry flocks by Immunohistochemistry and PCR. *International Journal of Advanced Research in Biological Sciences* 2 (6), 215-224.
12. G.Sathish , M.Parthiban , **Kurunchi C Divya** , Stalin Vedamanickam. 2015. Molecular identification of Reticuloendotheliosis virus in turkey and poultry layer farms of Tamil Nadu, India. *International Journal of Advanced Multidisciplinary Research* 2(4): 118–124.
13. G.Sathish, **Kurunchi C Divya**, E. Hemakumar, K. Murugan, A. Stalin Vedamanickam, G. Sathiyapriya. 2015. Identification and analysis of mecA gene in Mastitis milk samples collected from field conditions in Tamilnadu (INDIA). *Indian Journal of Veterinary and Animal Sciences Research* 44(3): 183-191.
14. M. Vimala, **Kurunchi C Divya**, Agnishwar Girigoswami. 2016. Liposomal nanoformulations of rhodamine for targeted photodynamic inactivation of multidrug resistant gram negative bacteria in sewage treatment plant. *Journal of Photochemistry & Photobiology, B: Biology* 162: 146–152. Impact Factor : 3.8.
15. Sathish G, Hemakumar E, **Kurunchi C Divya**. 2016. Rapid Detection of MRSA by Loop Mediated Isothermal Amplification in Bovine Milk Samples. *British Microbiology Research Journal*. 17(1): 1-5.
16. Sathish G, **Kurunchi C Divya**. 2017. Can methicillin-resistant *Staphylococcus aureus* prevalence from dairy cows in India act as potential risk for community-associated infections?: A review. *Veterinary World*. 10(3): 311-318. Impact Factor: 0.6.

BOOKS PUBLISHED

Kurunchi C Divya and M. Parthiban. April 2012. "Determination of Telomerase Activity in Tumors and Cancer Cell Lines, (ISBN: 978-3-8484-1088-0) LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany.

ABSTRACTS PRESENTED IN SEMINARS / SYMPOSIA / WORKSHOP

1. **Oral Presentation** on the topic "Differentiation of Marek's disease virus serotypes in Tamilnadu by Duplex PCR" at the "**International** workshop on recent concepts in the diagnosis and control of avian oncogenic viruses" organized by Department of Animal Biotechnology, Madras Veterinary College, Chennai – 600 007 on 19th to 20th August 2010.
2. **Poster Presentation** on the topic " Loop Mediated Isothermal Amplification for Rapid Detection of Fowl Adenoviruses from field samples" at the XXVI IAVMI & **International Seminar: Future of Livestock Health**, Madras Veterinary College, TANUVAS, Chennai on 6th to 8th September, 2012.
3. **Poster Presentation** on the topic " Phylogenetic Analysis of Canine Parvovirus Strains of Tamilnadu" at the **International Symposium on Livestock diseases affecting livelihood options and global trade – strategies and solutions**, Madras Veterinary College, TANUVAS, Chennai.
4. **Poster Presentation** on the topic "Nucleotide and Aminoacid analysis of Full Length Meq protein of oncogenic Marek's disease isolates of Tamilnadu" at the XXVI IAVMI & **International Seminar: Future of Livestock Health**, Madras Veterinary College, TANUVAS, Chennai on 6th to 8th September, 2012.
5. **Poster Presentation** on the topic "Telomerase activity in cancer cell lines and tumor tissues" in the **International conference on "Emerging Infectious Diseases of Animals and Biotechnological Applications"** organized by TANUVAS, Chennai, India and Virginia Maryland regional college of veterinary medicine, USA held at Madras Veterinary College, Chennai, on 28.07.2008 and 29.07.2008
6. **Oral Presentation** on the topic "Sequence analysis of mecA Gene of MRSA Isolates" at the State Level Conference on "Current Updates In Clinical Microbiology" organized by Department of Microbiology, Chettinad Hospital and Research Institute on 16.3.2013

PARTICIPATION IN NATIONAL AND INTERNATIONAL CONFERENCE / SEMINAR

1. Participated in International Seminar on Evidence based Yoga Therapy in Lifestyle related Non-Communicable Diseases, held at Chettinad Academy of Research and Education (CARE) Kelambakkam, Tamilnadu on 27th to 29th June 2016
2. Participated in the International Seminar and Workshop on "Techniques in Biotechnology – Immunocytochemistry" from 8th to 11th May 2007 held at Department of Biotechnology, University of Madras, Chennai

3. Participated in the International Seminar on Immunotechnology and Workshop on Immunoenzyme Labelling in Tissue Sections, ELISA, 2D & Pulse field Gel Electrophoresis and Fermentor from 20th -22nd October 2005 held at the Department of Biotechnology, University of Madras, Chennai.
4. Participated in the Indo-UK Seminar on Hepatitis, HIV/AIDS & Health Education, 8th and 9th March 2006 held at the University of Madras, Chennai.
5. Participated at the International Fertility Colloquium held on 27th September 2015 at Chettinad Hospital and Research Institute, Kelambakkam, Tamilnadu

WORKSHOP/SUMMER INSTITUTE/REFRESHER COURSE /TRAINING ATTENDED

1. Undergone EDI workshop jointly organized by Entrepreneurship Development Institute and Translational Research Platform for Veterinary Biologicals, TANUVAS on **Strategies for Bio tech Entrepreneurship** held at TRPVB, TANUVAS, Chennai 51 on 07.03.2017 & 08.03.2017.
2. **Undergone Training** on **Invivo Small Animal Optical Imaging** at Central Research Lab, Faculty of Allied Health Sciences, Chettinad Academy of Research and Education, Chennai, India (14th March 2016).
3. **Undergone Training programme on "Information Retrieval System"** conducted at Bioinformatics centre and ARIS cell, Madras Veterinary College, Chennai, Sponsored by DBT, Government of India, New Delhi from 23-01-2008 to 25-01-2008.
4. **Undergone Inplant Training** at Department of Microbiology, Orchid Chemicals and Pharmaceuticals Ltd from 22.05.2006 to 09.06.2006.

MEDALS / AWARDS WON

1. Qualified in Council of Scientific and Industrial Research - National Eligibility Test for Lectureship (**CSIR-UGC NET-LS**) examination held on **June 2011**; All India Rank: **54**.
2. Qualified in **Graduate Aptitude Test in Engineering (GATE) 2010**; Percentile: **99.02**, All India Rank: **110 out of 11927**, Subject – **Biotechnology**
3. **University First Rank in M.Phil, 2008**, Tamil Nadu Veterinary and Animal Sciences University, Chennai, India.
4. **Best Poster Award –**
 - a. Awarded at International conference on "Emerging Infectious Diseases of Animals and Biotechnological Applications" organized by Tamil Nadu veterinary and animal sciences university,

Chennai, India and Virginia Maryland regional college of veterinary medicine, USA held at Madras Veterinary College, Chennai, on 28.07.2008 and 29.07.2008 on the topic entitled "Telomerase activity in cancer cell lines and tumor tissues".

- b.** Awarded at International Seminar on "Future of Livestock Health: A Paradigm Change to Maximize Productivity for Economic Gains and XXVI Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases" at Madras Veterinary College on 6th to 8th 2012 on the topic entitled "Loop-Mediated Isothermal Amplification for Rapid Detection of Fowl adenoviruses from Field Samples".

EXTRACURRICULAR ACTIVITIES

1. Represented Department of Animal Biotechnology, Madras Veterinary College, TANUVAS, in the Chennai Science Festival – 2011 held from 29th Jan to 2nd Feb 2011 at Periyar Science and Technology Centre Campus, Chennai-25
2. Contributed Guidance, Support and Served as Judge for the Competitive event "Pot Painting" in the Chettinad Health City Culturals conducted between 8th to 10th April 2014.
3. **Oral Presentation Demonstrating the Genomic Technologies involved in the Genographic Project** in The Genographic Laboratory at Chettinad Hospital & Research Institute, Chennai, India. (15th February 2013).