

CURRICULUM VITAE

Dr. K. THIRUGNANASAMBANTHAM

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AIM

“Attaining new heights in Biotechnology research, shaping Biotechnology into a premier precision tool of the future for creation of wealth and ensuring human welfare”

RESEARCH PUBLICATION (SUMMARY SINCE 2011):

Number of Publications in International Journal	38
Number of Publications in National Journal	2
Number of Abstracts in Conference/Symposium	13
Number of Book Chapter	1
Total Number of Publication	54
Cumulative Impact Factor	81.58
Total Citation	531
h-index	15
i10-index	19

AREAS OF RESEARCH INTEREST:

- Transcriptome and proteome analysis
- Host pathogen interaction
- Molecular analysis of food allergen susceptibility
- Functional genomics
- miRNA analysis

PROFESSIONAL ACTIVITY:

1. **Reviewer of International Journal:** Applied Biochemistry and Biotechnology; BMC Genomics; BMC Complementary and Alternative Medicine; PLOS ONE; BMC Bioinformatics; Comptes rendus Biologies; Plant Science Today
2. **Editor:** African Journal of Advanced Biotechnology (AJAB); Journal of Immunology and Vaccine Technology

DETAILS OF PROFESSIONAL RECOGNITIONS, AWARDS AND FELLOWSHIPS RECEIVED:

- a. Received grant-in-aid as **Young Scientist Award under DST Fast Track Scheme** funded by **Department of Science and Technology (DST)**, Govt. of India for the year of 2013 for the project entitled “**Overexpression of *Prosopis juliflora* Ethylene Responsive Transcription Factor in rice – An approach to develop drought tolerance in crop plants**” (Order No.SB/FT/LS-382/2012 dated 03/07/2013).
- b. Received **Senior Research fellowship** under a project entitled “Characterization of **Specific polypeptide(s) in *Culex quinquefasciatus*** (Filarasis vector) responsible for development of resistance against biopesticides in **mosquito** vector control”. Funded by **Department of Science and Technology (DST)**, Govt. of India during the period of 2010 to 2012 at Microbiology Division of **Vector Control Research Centre (VCRC)**, Indian Council for Medical Research, Pondicherry, India (DST No. F.NO. SR/SO/HS-02/2008 Dated 30/12/2009).
- c. Received **Senior Research fellowship** under a project entitled “Generation and analysis of **Expressed Sequence Tags (ESTs)** from the tender shoots **cDNA Library** during Banjhi shoot formation in Tea plant”. Funded by **National Tea Research Foundation (NTRF)**, Govt. of India during the period of 2007 to 2010 at **UPASI Tea Research Institute**, Coimbatore, India (NTRF:17(136)06, DATED 29/03/07).

RESEARCH EXPERIENCE:

- **National scheme-1:** Worked as a **Senior Research Fellow** under a project entitled “Generation and analysis of **Expressed Sequence Tags (ESTs)** from the tender shoots **cDNA Library** during Banjhi shoot formation in Tea plant” funded by **National Tea Research Foundation (NTRF)**, Govt. of India from July 2007 to March 2010 at UPASI tea Research Institute, Coimbatore, India.
- **National scheme-2:** Worked as **Senior Research Fellow** under a project entitled “Characterization of Specific **polypeptide(s) in *Culex quinquefasciatus*** (Filarasis vector) responsible for development of **resistance** against biopesticides in **mosquito** vector control” funded by **Department of Science and Technology (DST)**, Govt. of India from June 2010 to January 2012 at Microbiology Division of **Vector Control Research Centre**, Pondicherry, India.
- **Research Officer:** Worked as **Research Director** at **Pondicherry Centre for Biological Sciences (PCBS)**, Pondicherry, India from February 2016. At PCBS, my research was focused in the area of *in vitro* cell based assays, bacterial identification, fungal identification, DNA sequence analysis and submission to NCBI database, bioinformatics analysis of drug target interaction, identification of **miRNA** using computational approach and validation using Real Time PCR. Additionally I have involved in contract research with custom based research service.
- **Senior Researcher:** Working as **Senior Researcher** at **Institute of Green Bio Science and Technology (GBST)**, **Pyeongchang Campus, Seoul National University, Republic of Korea** from December 2017 to October 2018. At GBST, my research was focused in the area of nutritional genomics of beef cattle.

SEMINARS AND WORKSHOP ATTENDED/ ORGANIZED:

- Organized a workshop entitled “**Immunopharmacology and Toxic Genomics - Basics and Advance Training**” (17th to 19th March 2015) hosted by Pondicherry Centre for Biological Sciences (PCBS), Pondicherry, India and conducted at Department of Biotechnology, Karpaga Vinayaga College of Engineering and Technology, Maduranthagam, Tamil Nadu, India.
- Organized a workshop entitled “**MicroRNAs Biology, Identification and Application**” (13th to 15th May 2014) at Pondicherry Centre for Biological Sciences (PCBS), Pondicherry, India.
- Attended the “**Hands-on workshop on biophysical and biotechnological research techniques for scientist and scholars**” organized by AU-KBC, Anna university, Chennai, India held during the period of 25th to 27th July 2011.
- Attended a National level seminar entitled “**Advances in structural and functional Bioinformatics**” conducted by Dept. of Bioinformatics, Bharathiar University, and Coimbatore, India during January 2008.
- Attended **GLP** (Good Laboratory Practice) training programme by Dr. D.S Dewari at **UPASI Tea Research Institute**, Valparai for three days during (21th to 23rd August 2007).
- Attended a CSIR and UGC sponsored seminar on **Advances in Enzymology** conducted by Dept. Plant Science, Bharathidasan University, Tiruchirappalli, India during 9th to 10th March 2006.

PUBLICATIONS - RESEARCH ARTICLES

1. **K. Thirugnanasambantham**, G. Prabu and A.K.A. Mandal (2020). Synergistic effect of cytokinin and gibberellins stimulates release of dormancy in tea (*Camellia sinensis* (L.) O. Kuntze) bud. *Physiology and Molecular Biology of Plants*, (doi.org/10.1007/s12298-020-00786-2)
2. M.I. Hairul Islama, S. Arokiyaraj, M.Kuralarasan, V. Senthil Kumar, P. Harikrishnan, S. Saravanan, G. Ashok, M. Chellappandian, R. Bharanidharan, S. Muralidaranh and **K. Thirugnanasambantham*** (2020). Inhibitory potential of EGCG on *Streptococcus mutans* biofilm: A new approach to prevent Cariogenesis. ***Microbial Pathogenesis*, 143: 104129** (doi.org/10.1016/j.micpath.2020.104129)
3. SenthilKumar V, Kumaresan S, Muthu Tamizh M, Hairul Islam MI, **Thirugnanasambantham K** (2019). Anticancer potential of NFκB targeting apoptotic molecule “Flavipin” isolated from endophytic *Chaetomium globosum*. ***Phytomedicine*** (doi: 10.1016/j.phymed.2019.152830)
4. CSD Raj, **K Thirugnanasambantham**, MIH Islam, SM Kumar, S Sundaram, G Ashok, V Senthilkumar, S Muralidaran, S Saravanan (2019). Identification of expressed miRNAs in human rheumatoid arthritis using computational approach-Discovery of a new miR-7167 from human. ***MicroRNA* 8(2): 147-154** (doi: 10.2174/2211536608666181204111438).
5. C Mani, J Selvakumari, S Manikandan, **K Thirugnanasambantham**, SM Sundarapandian, S Poopathi (2018). Field evaluation of *Bacillus cereus* VCRC B540 for mosquitocidal activity– A new report. ***Tropical Biomedicine* 35(2): 580-585.**

6. Chellappandian M, Saravanan M, Pandikumar P, Harikrishnan P, **Thirugnanasambantham K**, Saravanan S, Hairul-Islam V.I and Ignacimuthu S (2018). Traditionally practiced medicinal plant extracts inhibit the ergosterol biosynthesis of clinically isolated dermatophytic pathogens. **Journal de Mycologie Médicale** **28(1): 143-149** (doi: 10.1016/j.mycmed.2017.11.001).
7. Mani C, Selvakumari J, Han Y, Jo Y, **Thirugnanasambantham K**, Sundarapandian S and Poopathi S (2018). Molecular Characterization of Mosquitocidal Toxin (Surface Layer Protein, SLP) from *Bacillus cereus* VCRC B540. **Applied Biochemistry and Biotechnology** **184 (4): 1094-1105** (doi: <https://doi.org/10.1007/s12010-017-2602-5>).
8. MI Hairul-Islam, S Saravanan, **K Thirugnanasambantham**, M Chellappandian, C Simon Durai Raj, K Karikalan, M Gabriel Paulraj, S Ignacimuthu (2017). Swertiamarin, a natural steroid, prevent bone erosion by modulating RANKL/RANK/OPG signaling. **International Immunopharmacology** **53: 114-124**. (doi: 10.1016/j.intimp.2017.10.022).
9. Hanieh H, Islam VI, Saravanan S, Chellappandian M, Ragul K, Durga A, Venugopal K, Senthilkumar V, Senthilkumar P, **Thirugnanasambantham K*** (2017). Pinocembrin, a novel histidine decarboxylase inhibitor with anti-allergic potential in vitro. **European Journal of Pharmacology** **814: 178-186**. (doi: <https://doi.org/10.1016/j.ejphar.2017.08.012>).
10. Rajendran HAD, Muthusamy R, Stanislaus AS, **Thirugnanasambantham K**, Kuppusamy S, Ignacimuthu S and Al-Dhabi NA (2016). Analysis of Molecular Variance and Population Structure in Southern Indian Finger Millet Genotypes Using Three Different Molecular Markers. **Journal of Crop Science and Biotechnology** **19(4): 275–283**. (doi: <https://doi.org/10.1007/s12892-016-0015-6>).
11. Hanieh H, Mohafez O, Hairul-Islam V.I, Alzahrani A, Ismail M.B and **Thirugnanasambantham K** (2016). Novel Aryl Hydrocarbon Receptor Agonist Suppresses Migration and Invasion of Breast Cancer Cells. **PloS one** **11 (12), e0167650** (doi: 10.1371/journal.pone.0167650).
12. S Saravanan, V IH Islam, **K Thirugnanasambantham** and D Sekar (2016). In Silico Identification of Human miR 3654 and its Targets revealed its Involvement in Prostate Cancer Progression. **MicroRNA** **5 (2), 140-145** (DOI: 10.2174/2211536605666160610094230).
13. **Thirugnanasambantham K***, Saravanan S, Karikalan K, Bharanidharan R, Lalitha P, Ilango S and Hairul Islam V.I (2015) Identification of evolutionarily conserved *Momordica charantia* microRNAs using computational approach and its utility in phylogeny analysis. **Computational Biology and Chemistry** **58: 25-39**. (DOI: 10.1016/j.compbiolchem.2015.04.011).
14. Saravanan S, **Thirugnanasambantham K**, Hanieh H, Karikalan K, Sekar D, Rukkumani R and Hairul Islam V.I (2015). miRNA-24 and miRNA-466i-5p controls inflammation in rat hepatocytes. **Cellular & Molecular Immunology** **12: 113-115**. (doi: 10.1038/cmi.2014.67).
15. Mani C, **Thirugnanasambantham K**, Sundarapandian S and Poopathi S (2015). Identification and characterization of a novel marine *Bacillus cereus* VCRC-B540 for mosquito control. **BioControl** **60(1): 71-79**. (<https://doi.org/10.1007/s10526-014-9605-8>)
16. Poopathi S, De Britto, R.L.J, **Thiugnanasambantham K**, Mani C, Ragul K and Balagangadharan, K (2015). An investigation on the diversity of mosquitocidal bacteria and its relationship with incidence of vector borne diseases. **Tropical Biomedicine** **32(1): 84-97**.
17. **Thirugnanasambantham K**, Muralidaran S and Mandal A.K.A (2014). Molecular cloning, computational and expression analysis of anthocyanidin reductase in tea (*Camellia sinensis*). **Applied Biochemistry and Biotechnology** **174(1): 130-145**. (DOI: 10.1007/s12010-014-1038-4).

18. Poopathi S, **Thirugnanasambantham K**, Mani C, Ragul K and Sundarapandian S.M. (2014). Isolation of mosquitocidal bacteria (*Bacillus thuringiensis*, *B.sphaericus* and *B.cereus*) from excreta of arid birds. **Indian Journal of Experimental Biology** 52(7): 739-747.
19. **Thirugnanasambantham K**, Prabu G.R and Mandal A.K.A (2014). Isolation and characterization of cDNA encoding cyclophilin gene from dormant bud of *Camellia sinensis* (L.) O. Kuntze. **Journal of Plantation Crops** 42(2): 256-261.
20. Saravanan S, Pandikumar P, Prakash Babu N, Hairul Islam V. I, **Thirugnanasambantham K**, Gabriel Paulraj M, Balakrishna K and Ignacimuthu S (2014). *In vivo* and *in vitro* immunomodulatory potential of swertiamarin isolated from *Enicostema axillare* (Lam.) A. Raynal. that exerts as an antiinflammatory agent. **Inflammation** 37(5):1374-1388. (doi: <https://doi.org/10.1007/s10753-014-9862-9>)
21. Poopathi S., **Thiugnanasambantham K**, Mani C and Ragul K (2014). Purification and characterization of keratinase from feather degrading bacterium useful for mosquito control-A new report. **Tropical Biomedicine** 31(1): 97–109.
22. Saravanan S, Hairul Islam V.I, **Thirugnanasambantham K**, Pazhanivel N, Raghuraman N, Gabriel Paulraj M and Ignacimuthu S (2014). Swertiamarin ameliorates inflammation and osteoclastogenesis intermediates in IL-1 β induced rat fibroblast like synoviocytes. **Inflammation Research** 63(6):451-462. (DOI: 10.1007/s00011-014-0717-5).
23. Poopathi S, **Thirugnanasambantham K**, Mani C, Athisaya Mary K and Balagangadharan K (2014). Hexamerin a new protein associated with *Bacillus sphaericus* resistance in *Culex quinquefasciatus*. **Applied Biochemistry and Biotechnology** 172:2299–2307. (DOI: 10.1007/s12010-013-0681-5).
24. Saravanan S, Hairul Islam V.I, Prakash Babu N, Pandikumar P, **Thirugnanasambantham K**, Gabriel Paulraj M and Ignacimuthu S (2014). Swertiamarin attenuates inflammation mediators via modulating NF- κ B/I κ B and JAK2/STAT3 transcription factors in adjuvant induced arthritis. **European Journal of Pharamaceutical Sciences** 56: 70–86. (DOI: 10.1016/j.ejps.2014.02.005).
25. Poopathi S, Ahangar N.A, **Thirugnanasambantham K**, Lakshmi Praba V and Mani C (2014). Isolation and characterization of a new mosquitocidal bacterium strain *Enterobacter cloacae* VCRC-B519 from marine soil. **Biocontrol Science and Technology** 24 (2): 158-169. (<https://doi.org/10.1080/09583157.2013.852652>).
26. Poopathi S, Mani C, **Thirugnanasambantham K**, Ahangar N.A, Lakshmi Praba V and Balagangadharan K (2014). Identification and characterization of a novel marine *Bacillus cereus* for mosquito control. **Parasitology Research** 113 (1): 323-332. (DOI: 10.1007/s00436-013-3658-y).
27. Poopathi S, Mani C, Vignesh V and **Thirugnanasambantham K** (2013). Genotypic Diversity of Mosquitocidal Bacteria (*Bacillus sphaericus*, *B.thuringiensis* and *B. cereus*) Newly Isolated from Natural Sources. **Applied Biochemistry and Biotechnology** 171:2233–2246. (DOI: 10.1007/s12010-013-0510-x).
28. **Thirugnanasambantham K***, Hairul-Islam V.I, Saravanan S, Subasri S and Subatri A (2013). Computational approach for identification of *Anopheles gambiae* miRNA involved in modulation of host immune response. **Applied Biochemistry and Biotechnology** 170:281–291. (doi: 10.1007/s12010-013-0183-5).
29. **Thirugnanasambantham K***, Senthilkumar P, Sureshramraj S.C.B and Mandal A.K.A (2013). Differential Activity of Antioxidative Enzymes in Active and Temporarily Dormant Buds of Tea (*Camellia sinensis*). **American-Eurasian Journal of Agricultural & Environmental Sciences** 13 (10): 1400-1406. (DOI: 10.5829/idosi.aejaes.2013.13.10.11249)

30. **Thirugnanasambantham K**, Prabu G.R, Senthilkumar P, Chandrabose S.R.S and Mandal A.K.A (2013). Analysis of Dormant Bud (Banjhi) Specific Transcriptome of Tea (*Camellia sinensis* (L.) O. Kuntze) from cDNA Library Revealed Dormancy-Related Genes. **Applied Biochemistry and Biotechnology** 169(4):1405-1417. (doi: 10.1007/s12010-012-0070-5).
31. Prabu G, **Thirugnanasambantham K** and Mandal A.K.A (2012). Structural and docking studies of a Nucleoside Diphosphate Kinase 1 (CsNDPK1) from tea [*Camellia sinensis* (L.) O. Kuntze]. **Applied Biochemistry and Biotechnology** 168: 1907-1916. (doi: 10.1007/s12010-012-9906-2).
32. Senthilkumar P, **Thirugnanasambantham K** and Mandal A.K.A (2012). Suppressive subtractive hybridization approach revealed differential expression of hypersensitive response and reactive oxygen species production genes in tea (*Camellia sinensis* (L.) O. Kuntze) leaves during *Pestalotiopsis thea* infection. **Applied Biochemistry and Biotechnology** 168: 1917-1927. (doi: 10.1007/s12010-012-9907-1).
33. Prabu G, **Thirugnanasambantham K**, Saravanan A and Mandal A.K.A (2012). Characterization of nucleoside diphosphate kinase 1 (*NDPK1*) cDNA in tea [*Camellia sinensis* (L.) O. Kuntze]. **Biologia Plantarum** 56(1): 140-144. (<https://doi.org/10.1007/s10535-012-0030-5>).
34. **Thirugnanasambantham K**, Mandal A.K.A and Ebbie M.G (2012). Genetic diversity of seed storage proteins in different tea (*Camellia sinensis*) clones. **International Journal of Tea Science (IJTS)** 8(1): 9-13.
35. **Thirugnanasambantham K**, Senthilkumar P, Prabu G, Chandrabose S.R.S, and Mandal A.K.A (2011). Identification of differentially expressed genes in dormant (banjhi) bud of tea (*Camellia sinensis* (L.) O. Kuntze) using subtractive hybridization approach. **Plant Physiology and Biochemistry** 49: 565-571.

PUBLICATIONS - REVIEW ARTICLES

36. Sekar D, Krishnan R, **Thirugnanasambantham K**, Rajasekaran B, Hairul-Islam VI and Sekar P (2016). Significance of microRNA 21 in gastric cancer. **Clinics and Research in Hepatology and Gastroenterology** 40(5): 538–545. (doi: 10.1016/j.clinre.2016.02.010).
37. Sekar D, Saravanan S, Karikalan K, **Thirugnanasambantham K**, Lalitha P and Hairul-Islam VI (2015). Role of MicroRNA 21 in Mesenchymal Stem Cell (MSC) Differentiation: A Powerful Biomarker in MSCs Derived Cells. **Current Pharmaceutical Biotechnology** 16: 43-48. (DOI: 10.2174/138920101601150105100851).
38. **Thirugnanasambantham K***, Durairaj S, Saravanan S, Karikalan K, Muralidaran S, Hairul Islam V.I (2015). Role of Ethylene Response Transcription Factor (ERF) and its regulation in response to stress encountered by plants. **Plant Molecular Biology Reporter** 33: 347-357 (10.1007/s11105-014-0799-9). (DOI: <https://doi.org/10.1007/s11105-014-0799-9>).
39. Durairaj S, Hairul Islam V.I, **Thirugnanasambantham K**, Saravanan S (2014). Relevance of miR-21 in HIV and Non-HIV related Lymphomas. **Tumor Biology** 35(9):8387-8393. (doi: 10.1007/s13277-014-2068-9).
40. Durairaj S, **Thirugnanasambantham K**, Hairul Islam V.I and Saravanan S (2014). Sequencing approaches in Cancer Treatment. **Cell Proliferation** 47(5):391-395. (doi: 10.1111/cpr.12124).

BOOK CHAPTER:

1. **Thirugnanasambantham K**, Hairul Islam VI, Saravanan S, SenthilKumar V, Ashok G and Chellappandian M. Role of miRNAs in multiple sclerosis. In *MicroRNA: Perspectives in Health and Diseases*. Eds: Paul J and Muthuswami R. CRC press, USA pp 57-76 (ISBN: 13: 978-1-1380-5483-7). (doi: <https://doi.org/10.1201/b22195>).

PUBLICATIONS IN CONFERENCE PROCEEDINGS

1. Kanneppady S.K, Bhaskar A, **Thirugnanasambantham K** and Hairul Islam V.I (2015). Expression analysis of BRAF, KRAS and PIK3CA in oral leukoplakia. P.094. In: Poster. **29th IADR-SEA Division Annual Meeting “Improving Quality of Life Through Dental Research”** held at Discovery Kartika Plaza Hotel, Bali, Indonesia.
2. Poopathi S, Mani C, Lakshmi Praba V and **Thirugnanasambantham K** (2014). *Identification and characterization* of novel marine bacteria for mosquito control. P.173. In: Abstracts. **International Conference On Entomology** organized by Department of Zoology and Environmental Sciences, Punjab University, Patiala – 147 002 India.
3. Hairul Islam V.I, Saravanan S, Chandrika R and **Thirugnanasambantham K** (2014). Anti-infective and biocompatible endophytic *Vibrio alginolyticus* isolated from *Andrographis paniculata* (Brum.f.) Wall. ex Neel. P.31. In: Abstracts. **MAHER National Summit on Current Research in Science** organized by Central Research Laboratory and Department of Microbiology, Meenakshi Ammal Dental College Chennai – 600 095 India.
4. Mani C, Vignesh. V, Lakshmi Praba V, **Thirugnanasambantham K** and Poopathi S. (2014). Genotypic Diversity of Mosquitocidal Bacteria isolated from natural resources. P.32. In: Abstracts. **International Conference On Vector Borne Diseases – Combat And Control (Sponsored by F.I.E.Tust – Council Chennai; ICMR, UGC, DRDO, New Delhi; TNSCST, Tamil Nadu)** organized by Post Graduate & Research Department of Zoology, Justice Basheer Ahmed Sayeed College for Women, Chennai – 600 018 India.
5. Lakshmi Praba V, Mani C, **Thirugnanasambantham K** and Poopathi S. (2014). “Production of Bio-Pesticide (*Bacillus Cereus*) from Chicken feather waste for Mosquito Control - A New Report. P.32. In: Abstracts. **International Conference On Vector Borne Diseases – Combat And Control (Sponsored by F.I.E.Tust – Council Chennai; ICMR, UGC, DRDO, New Delhi; TNSCST, Tamil Nadu)** organized by Post Graduate & Research Department of Zoology, Justice Basheer Ahmed Sayeed College for Women, Chennai – 600 018 India.
6. Mani C, **Thirugnanasambantham K**, Sundarapandian S.M and Poopathi S. (2013). *Bacillus cereus* for mosquito Control-A new Report. P.14. In: Abstracts. **3rd International conference on Global Warming on Biodiversity of Insects: Management and Conservation Strategies** organized by Department of Zoology, Bharathiar University, Coimbatore, India.
7. Subbiah Poopathi, Lakshmi Praba V, Praveen K, Mani C and **Thirugnanasambantham K**. (2013). Synthesis of silver nanoparticles and its applications for mosquito control. P. 179. In: Abstracts. 4th Biopesticide **International conference (Sponsored by TWAS, Italy; CSIR, DST, UGC, DRDO, MEF, INSA, New Delhi; TNSCST, Tamil Nadu)** organized by Department of Zoology, St. Xavier’s College (Autonomous), Palayamkottai, Tamil Nadu, India.
8. Mani C, **Thirugnanasambantham K**, Sundarapandian S.M and Poopathi S. (2013). A novel approach to produce mosquitocidal bacteria (*Bacillus cereus*) from chicken feather as poultry waste.

- P.51. In: Abstracts. 4th Biopesticide **International conference (Sponsored by TWAS, Italy; CSIR, DST, UGC, DRDO, MEF, INSA, New Delhi; TNSCST, Tamil Nadu)** organized by Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Tamil Nadu, India.
9. **Thirugnanasambantham K**, Prabu G. R and Mandal A.K.A. (2012). Isolation and characterization of cDNA encoding cyclophilin gene from dormant bud of *Camellia sinensis* (L) O. P.45-46. In: Abstracts. **Plantation Crop Symposium (PLACROSYM XX)** organized by UPASI Tea Research Foundation, Coimbatore, India.
 10. V.I. Hairul Islam, S. Saravanan, **K. Thirugnanasambantham**, and S. Ignacimuthu (2012). Cytokine regulation in fungal infected keratinocytes by influence of Microbial proteins. P.16. In: Abstracts: **Proceedings of National Conference on Recent Trends in Industrial Pharmacognosy 2012** organized by The Department of Pharmacognosy, Mother Theresa Post Graduate and Research Institute of Health Sciences (MTPG & RIHS), A Government of Puducherry Institution, Pondicherry, India. **International Journal of Pharma and Bio Sciences**.
 11. Poopathi S., **Thirugnanasambantham K.**, Mani C and Hoti S L. (2012). Purification and characterization of keratinase from chicken feather degrading bacterium (*Bacillus thuringiensis serovar israelensis*) useful for mosquito control in public health program. P.37. In: Abstracts. **ICMR funded 6th conference on Medical Arthropodology** organized by Centre for Research in Medical Entomology (ICMR), Madurai.
 12. Hairul Islam V.I, **Thirugnanasambantham K** and Saravanan S. (2012). A novel approach for isolation and characterization of biostatic probiotics isolated from healthy infant. In Proceedings of 2nd National Conference on “**Transfigures in Bioscience and Technology**” ISBN: 978-81-907494-8-0: 120-125 organized by Department of Biotechnology, Madha Engineering College, Chennai, India during the period of 25th and 26th September 2012.
 13. Muralidaran S, **Thirugnanasambantham K** and Mandal A.K.A. (2012). Differential expression of *F3H* and *ANR* genes involved in catechins biosynthesis in tea (*Camellia sinensis*). In Proceedings of 2nd National Conference on “**Transfigures in Bioscience and Technology**” ISBN: 978-81-907494-8-0: 161-163 organized by Department of Biotechnology, Madha Engineering College, Chennai, India during the period of 25th and 26th September 2012.

EDUCATIONAL QUALIFICATIONS:

- Ph.D Plant Biotechnology** Bharathiar University, Coimbatore, India 2012
M.Sc Biotechnology Periyar University, Salem, Tamil Nadu, India 2007
B.Sc Biotechnology Pondicherry University, Pondicherry, India 2005

PERSONAL INFORMATION:

Father's Name	:	Krishnaraj. N
Date of Birth	:	January 15, 1985
Sex	:	Male
Nationality	:	Indian
Marital Status	:	Married
Proficiency in languages	:	English, Tamil.

LIST OF FOUR POTENTIAL REFEREES

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2). Dr. S. Poopathi

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DECLARATION:

Hereby, I declare that all the information given above are true and also, I oblige that if provided an opportunity to work in your esteemed organization, I will endow the best in all the ways to fulfill the needs.

Date: 19-11-2020

Place: Pondicherry, India

Signature

Dr. K. Thirugnanasambantham