Dr. S. RAMASAMY

ASSISTANT PROFESSOR

Department of Molecular Biology

School of Biological Sciences

Mobile No: 9790544816

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ramasamy.biological@mkuniversity

Educational Qualifications : **M.Sc., M.Phil., Ph.D**

Professional Experience : **Teaching: 8.2 years, Research: 18 years**

FIELD OF SPECIALIZATION

- **Molecular Cardiology**
- **Xenobiotic metabolism**
- **Non-coding RNAs**

RESEARCH SPECIALIZATION

- **Cardiac Hypertrophy and Heart Failure**
- **Xenobiotic metabolism and Gut microbiome alterations**
- **Alcoholic Cardiomyopathy**
- **Mitochondrial Dynamics**

Research Supervision:

Program	Completed	Ongoing
Ph.D	1	4
M.Phil	--	--

PROFESSIONAL EXPERIENCE

No	Institution	Position	From (date)	To (date)	Duration
1	Department of Molecular Biology, School of Biological Sciences, Madurai Kamaraj University, Madurai, TN, India.	Sr. Assistant Professor	2015	Till date	3 Years
2	Department of Molecular Biology, School of Biological Sciences, Madurai Kamaraj University, Madurai, TN, India.	Assistant Professor	2010	2015	5 years
3	University of Temple, Philadelphia, USA	Post-Doctoral Researcher	2009	2010	1.4 Year
4	University of Alabama at Birmingham, USA	Post-Doctoral Researcher	2007	2008	1. 3 Year
5	Département of Biochemisrty, Madurai Kamaraj University, Madurai, TN, India.	Ph.D-Biochemistry	2002	2008	6 Years

RESEARCH COLLABORATION (BOTH NATIONAL & INTERNATIONAL)

Name of the Collaborator	Institute	Collaboration Details	Collaboration Output (Papers/Patents/Research/Online)
Prof. Madesh Muniswamy	University of Temple, Philadelphia, PA, USA	Collaborator for UGC– RAMAN Fellowship for Post-Doctoral Fellowship for Indian scholars in USA	Joint Publications, Research
Dr. Rajesh Katare, Associate Professor	Department of Physiology, Otago School of Medical Sciences,	Collaborator for Research	Research

	University of Otago, New Zealand.		
Prof. A. K. Munirajan	Department of Genetics, University of Madras, Taramani.	Collaborator for Research	Research
Dr. K. Thangaraj	Sr. Principal Scientist, CSIR-CCMB, Hyderabad	Collaborator for Research	Research
Dr. A. Rathinavel	Professor of cardio thoracic surgery, Madurai Medical College.	Collaborator for Research	Joint publications, Research

COMPLETED RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant	Year
1.	Expression profiling of miRNAs and their regulatory circuit in A2M induced hypertrophy and heart failure.	DBT	35 Lakhs	2011-14
2.	Studies on the expression profiles and functions of microRNAs in hypertrophied heart.	DST-SERB	25 Lakhs	2012-15

ON-GOING RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant	Year
1	Ethanol potentiated differential mitochondrial dynamics and its effect on calcium homeostasis in alcoholic heart muscle disease.	DST- SERB	38.13 Lakhs	2015-2018
2	Identification and characterization of Novel, Therapeutic Cardiac Phosphatase Inhibitors from Sponge-associated Epi-bacerial Metagenome	DBT	53.5 Lakhs	2015-2018
3	A study on the role of small Non-Coding RNA in Diabetic Heart Disease.	DST-SERB (Co-PI)	55 Lakhs	2016-2019

HONORS/AWARDS/RECOGNITIONS

1. **Awarded with UGC– RAMAN Fellowship for Post-Doctoral Fellowship for Indian scholars in USA,** 2016-2017.
2. **Invited as a chair on at** DBT sponsored International conference on "Converging Biotechnological innovations for Health, Food and Environmental Welfare (ICCBI- 2015)", December 2-4, 2015, Karunya university, Coimbatore, TamilNadu, India
3. **Invited as a chair on** 7th Indo Global Diabetes Summit and Medicare Expo by OMICS Group Conferences, November 23-25, 2015, Bangalore, India.
4. **Special Award** – Best Oral Presentation Award for "miRNA 99 family plays an indispensable role in determining the fate of cardiac hypertrophy" in UGC Sponsored National Conference on Emerging Protein Technologies for Formulation Solutions, October 16, 2015, Tumkur University.
5. **Special Award** – Best Poster Award for "Are piRNAs a key player in cardiac hypertrophy?" in 11th Annual Conference of International Society for Heart Research (Indian Section), February 8-9, 2014, National Institute of Pharmaceutical Education and Research, Punjab, India.
6. **Invited lecture and acted as resource person** at Bharathiar University, Coimbatore, January 31, 2012. – "**Mitochondrial dynamics.**"
7. **Participated in Orientation Programme and obtained Grade "A"** on U.G.C.-Academic Staff College Sponsored Orientation Course, Madurai Kamaraj University, Madurai; February 9 to March 8, 2011.
8. Madurai Kamaraj University- **Radiation Safety Officer- (AERB, India) (2010- to till date).**
9. **Postdoctoral Fellowship Award**- Department of Biochemistry, Temple University, Philadelphia, USA (2009-2010).
10. **Postdoctoral Research Fellowship Award**- Department of Metabolism and Nutrition Sciences, University of Alabama, Birmingham, USA (2008-2009).
11. **Visiting Research Scholar** Programme – Cardiovascular Research Institute, More-House School of Medicine, Atlanta, GA (2007-2008).
12. Council of Scientific Industrial Research-**Senior Research Fellow** (2004-2007).

PUBLICATIONS

26. **Subbiah Ramasamy**, Ganesan Velmurugan, Balakrishnan Rekha, Sivakumar Anusha, K Shanmugha Rajan, Suresh Shanmugarajan, Tharmarajan Ramprasath, Pandi Gopal, Dhanendra Tomar, Karuppusamy V Karthik, Suresh Kumar Verma, Venkata Naga Srikanth Garikipati, Rajan Sudarsan **(2018)**. Egr-1 mediated expression of miR-99 family diverges physiological hypertrophy from Pathological hypertrophy. ***Experimental Cell Research***. **Impact Factor: 3.54**

25. Anusha Sivakumar, Rekha Balakrishnan, **Subbiah Ramasamy**, Rajendhran Jeyaprakash **(2017)**. Cardiac Mitochondrial Dynamics: miR-mediated regulation during Cardiac injury. ***JMCC.*** **110**:26–34**. 110**:26-34. **Impact Factor: 5.680.**

24. Ganesan Velmurugan, Tharmarajan Ramprasath, Mithieux Gilles, Krishnan Swaminathan, and **Subbiah Ramasamy (2017)**. Gut Microbiota, Endocrine-Disrupting Chemicals, and the Diabetes Epidemic. ***Trends in endocrinology and Metabolism (Cell press)*. 28(8):**612-625. **Impact Factor: 9.97.**

23. Zhiwei Dong, Santhanam Shanmughapriya, Dhanendra Tomar, Naveed Siddiqui, Solomon Lynch, Neeharika Nemani, Sarah L. Breves, Xueqian Zhang, Aparna Tripathi,, Palaniappan Palaniappan, Massimo F. Riitano, Alison M. Worth, Ajay Seelam, Edmund Carvalho, **Ramasamy Subbiah,** Fabia´ n Jan, Jonathan Soboloff, Yizhi Peng, Joseph Y. Cheung, Suresh K. Joseph, Jeffrey Caplan, Sudarsan Rajan, Peter B. Stathopulos, and Muniswamy Madesh. Mitochondrial Ca2+ Uniporter Is a Mitochondrial Luminal Redox Sensor that Augments MCU Channel Activity**.** ***Molecular cell (Cell Press)*. 65(6):**1014-1028.e7. **Impact Factor: 13.958.**

22. Velmurugan, G, Ramprasath, T, Swaminathan, K, Gilles, M, Rajendhran, J, Dhivakar, M, Parthasarathy, A, Babu, D.D.V, Thumburaj, L.J, Freddy, A.J, Dinakaran, V, Puhari, S.S.M, Rekha, B, Chirsty, Y.J, Anusha, S, Divya, G, Suganya, K, Meganathan, B, Kalyanaraman, N, Vasudevan, V, Kamaraj, R, Karthik, M, Jeyakumar, B, Abhishek, A, Paul, E, Pusphanathan, M, Rajmohan, R.K, Velayutham, K, Lyon, A.R, **Ramasamy, S (2017*)*.**Gut Microbial Degradation of Organophosphate Insecticides-induces glucose intolerance via gluconeogenesis. ***Genome Biol.* 18(1):**8 **Impact Factor: 11.9.**

21. K. Shanmugha Rajan**, Subbiah Ramasamy,** J.N. George William, Jeyaprakash Rajendhran **(2017).** Emerging cardiac non-coding landscape: The importance of meta-analysis. ***Biochimie.* 133:**87-94**. Impact Factor: 3.11**

20. K. Shanmugha Rajan, Ganesan Velmurugan, Pandi Gopal, Tharmarajan Ramprasath, D.D. Venkatesh Babu, S. Krithika, Jenifer Y. Christy, Allen Freddy, George William Jn, Krishnan Kalpana, **Subbiah Ramasamy (2016)**. Abundant and Altered Expression of PIWI-Interacting RNAs during Cardiac Hypertrophy. ***Heart Lung Circulation*. 25(10):**1013-20**. Impact factor 2.02.**

19. **Ramasamy Subbiah,** Velmurugan, G., Shanmugha Rajan, S., Ramprasath Tharmarajan, Kalpana Krishnan **(2015)**. Apoptotic miRNAs are differentially regulated in chronic exercise induced hypertrophied hearts. ***PLoSONE***. **10(3)**:e0121401. **Impact factor :2.80**

18. Shanmugha Rajan K, Velmurugan, G**,** Gopal Pandi, **Subbiah Ramasamy (2014)**. miRNA and piRNA mediated Akt pathway in heart: Antisense expands to survive. ***Int.J. of Biochem & Cell Biol*. 55**: 153-156. **Impact factor: 3.505.**

17. Shanmugha Rajan, K, **Subbiah, Ramasamy (2014)**. Retrotransposons and piRNA: The missing link in central nervous system. ***Neurochem. Int.* 77C**: 94-102. **Impact factor: 3.262.**

16. Velmurugan G, Venkatesh Babu DD**, Ramasamy S (2013)**. Prolonged monocrotophos intake induces cardiac oxidative stress and myocardial damage in rats**.** ***Toxicol.* 307**:103-8. **Impact factor: 3.5.**

15. Wang P, Liu J, Li Y, Wu S, Luo J, Yang H & **Subbiah R,** Chatham J, Zhelyabovska O & Yang Q **(2010**). Peroxisome Proliferator-Activated Receptor Is an Essential Transcriptional Regulator for Mitochondrial Protection and Biogenesis in Adult Heart. ***Circ Res*. 106:** 911-919**. Impact factor: 13.96.**

14. Hawkins, BJ. Irrinki, KM., Mallilankaraman, K., Lien, YC. Wang, Y., Bhanumanthy, CD., **Subbiah, R.,** Ritchie, M. et.al., **(2010)**. S-glutathionylation activates STIM1 and alters mitochondrial homeostasis. ***J.Cell. Biol.* 190:** 391. **Impact factor: 9.755.**

13. **Subbiah R**, Chengat V, Clifton JD, Rathinavel A, Bidulescu A, Tharmarajan R, Selvam GS. (**2010)**. Cardiac

Isoform of Alpha 2 Macroglobulin and Its Reliability as a Cardiac Marker in HIV Patients. *Heart, Lung and Circulation*. **19:** 93-95. **Impact factor: 2.02.**

12. Davis CW, Hawkins BJ, **Ramasamy S,** Irrinki KM, Cameron BA, Islam K, Daswani VP, Doonan PJ, Manevich Y, Madesh M **(2010)**. Nitration of the mitochondrial complex I subunit NDUFB8 elicits RIP1- and RIP3-mediated necrosis. *Free Radic Biol Med*. **48**: 306-317. **Impact factor 6.0.**

11. Madesh M, Zong WX, Hawkins BJ, **Ramasamy S,** Venkatachalam T, Mukhopadhyay P, Doonan PJ, Irrinki KM, Rajesh M, Pacher P, Thompson CB. **(2009)**. Execution of super oxide-induced cell death by the pro-apoptotic Bcl-2-related proteins Bid and Bak. *Mol Cell Biol*. **29(11)**:3099-112. **Impact factor: 5.8.**

10. V Chengat, **R Subbiah**, O Raghunath, A Rathinavel. *Profile of HIV Associated Cardiomyopathy and Cardiac Isoform of Alpha Two Macroglobulin **(2009)**.* The Internet Journal of Cardiology. **8**:1.

9. Balakumar P, Koladiya RK, **Ramasamy S**, Rathinavel A & Singh M **(2008)**. Pharmacological Interventions to Prevent Vascular Endothelial Dysfunction: Future Directions. ***J. Health Sci***. **54**:1-16. **Impact factor: 3.8.**

8. Balakumar P, Singh AP, Ganti SS, PawanKrishan, **Ramasamy S** & Singh M **(2008)**. Resident Cardiac Mast Cells: Are They Major Culprit in the Pathogenesis of Cardiac Hypertrophy? ***Basic & Clinical Pharmacology & Toxicology***. **102(1):**5-9. **Impact factor 4.0.**

7. **Ramasamy S,** Rathinavel A, Balakumar P, Singh M, Rathinavel A, Anandamurthy K, Ramprasath D & Selvam GS**. (2007)** "Functional Characterization of Cardiac Isoform of alpha 2 macroglobulin (CA2M): Identification of Non-Hypertrophic Domain. ***The Cardiology***. **3(2):** 20-23. **Impact factor 1.52.**

6. **Ramasamy S,** Omnath R, Rathinavel A, Kannan P, Dhandapany PS, Annapoorani P, Balakumar P, Singh M, Ganesh R & Selvam GS **(2006)**.Cardiac isoform of alpha 2 macroglobulin (CA2M), an early diagnostic marker for cardiac manifestations in AIDS patients. ***AIDS***. **3; 20(15):**1979-1981. **Impact factor 5.8.**

5. Annapoorani P, Dhandapany PS, Rathinavel A, **Ramasamy S** & Selvam GS **(2006)**.Cardiac isoform of alpha 2 macroglobulin: A novel biomarker for myocardial infarcted diabetic patients. ***Atherosclerosis***.**186 (1):**173-176. **Impact factor: 4.0.**

4. Rathinavel A, Dhandapany PS, Annapoorani P & **Ramasamy S** & Selvam GS **(2005)**. Cardiac Isoform of Alpha 2 Macroglobulin (CA2M), as a novel diagnostic marker for cardiac diseases**.** ***Eur J Cardiovasc Prev Rehabil***. **12(6):** 601-603. **Impact factor: 2.8.**

3. **Ramasamy S** & Manoharan AC **(2004)**. Antibacterial effect of volatile components of selected medicinal plants against human pathogens- ***Asian Journal of Microbiol. Biotech. Env. Sc*** .**6 (2):** 47-48. **Impact factor: 0.09.**

2. Rajendran M, **Ramasamy S,** Rajamanickam C, Gandhidasan R & Murugesan R **(2003)**. Photodynamic effects of two hydroxyantraquinones. ***Biochemica et Biophysica Acta***. **1622:** 65-72. **Impact factor: 4.7.**

1. **S.Ramasamy**, A. Charles Manoharan and J. Rajendhran **(2001)**.Antibacterial effect of various plant extracts on the human pathogen. ***Indian jourl of enviro. Ecoplan.*** **5(2):**317-319.

PAPER PRESENTED IN CONFERENCE/SEMINAR/WORKSHOP

1. **Invited to deliver a lecture** at National Seminar cum Workshop on "Next Genomic Era – NGS: A Clinical Approach" organized by Centre for Bioinformatics, School of Life Sciences, Pondicherry University, Puducherry, India, March 15-16, 2018 – **Non-coding RNAs in cardiac hypertrophy and heart failure.**

2. **Invited to deliver, series of lecture and seminar** at Central Inter-Disciplinary Research Facility, Sri Balaji Vidyapeeth, Puducherry, India, February 12, 2018- **Effects of pesticides exposure to Rural/Agricultural families and their health and diseases.**

3. Invited to deliver a lecture in National Symposium on "Insects and their Environment Friendly Management" organized by Entomology Research Institute, Loyola College, Nungambakkam, Chennai, on February 1-2 2018 – **Lurking dangers of endocrine disrupting insecticides (MCP) – induced glucose dyshomeostasis.**

4. **Invited to deliver, series of lecture and seminar** at Department of Biotechnology, Mother Teresa Women's University, kodaikanal, October 12, 2017- **Role of Small Non-Coding RNA's In cardiac Health and Disease.**

5. **Invited to deliver, series of lecture and seminar** at Orisha, Bhubaneswar organized by SGRF on October 2-4 ,2017- Gut Microbial Degradation of Organophosphate Insecticides-induces Glucose Intolerance via Gluconeogenesis

6. **Invited to deliver, series of lecture and seminar** at International Congress and Expo on Cardiology, University of Miami, Florida, USA, September 11-13, 2017-**Does your alcohol impact cardiac mitochondrial structure?**

7. **Invited to deliver, series of lecture and seminar** at Department of Clinical and Experimental Medicine**, Linkoping University, SWEDEN,** August 23, 2016. - **Comparative Transcriptomic: sncRNAs in Cardiac Health and Disease.**

8. **Invited speaker at International conference** on advanced diagnostics, May 26-27, 2016, SELECTBIO, Bengaluru, India. – **"MicroRNA-99 determines the fate of Cardiac Hypertrophy and Heart Failure".**

9. **Invited speaker** at Biomedical Science lecture series on **"Small Non- Coding RNAs: a Magic Wand for Cardiac Health and Disease,** March 7th 2016 Sri Ramachandra University, Porur, Chennai, TamilNadu.

10. **Invited speaker at WEBS & SIBS club inauguration**, February 26th, 2016, Department of Biotechnology, Lady Doak college, Madurai, TamilNadu, India

11. **3rd international** conference on Biotechnology & Bioinformatics (ICBB-2016) held at yashada Auditorium, Pune, India from 5th to 7th February 2016. - **Does your alcohol alter the mitochondrial structure and (fusion/fission) genes?**

12. **Invited speaker at International conference on "**Trends in Cell and Molecular Biology (TCMB-2015), December 19- 21, 2015, BITS Pilani KK BIRLA Goa campus, Goa, India.
13. **Invited speaker at DBT sponsored National Conference** on "Community Microbial Consortia and The Human Holobiont-Implications of Yet– Unculturable Microorganisms in Systemic Health, Disease & Personalized Medicine. December 7-8, 2015, American college, Madurai, India

14. DBT sponsored International conference on "Converging Biotechnological innovations for Health, Food and Environmental Welfare", Karunya university, Coimbatore; December 2-4, 2015.-"***Egr*-Mediated Cardiac miR-99 family expression diverges physiological hypertrophy from pathological hypertrophy".**

15. **Invited as keynote speaker chair on** 7th Indo Global Diabetes Summit and Medicare Expo by OMICS Group Conferences, November 23-25, 2015, Bangalore, India.
16. 7th Indo Global Diabetes Summit and Medicare Expo by OMICS Group Conferences at Bangalore; November 23-25, 2015. - **"Food-based xenobiotic chemicals creates glucose dyshomeostasis".**

17. International conference on "Reasserting microbial biotechnology to deflate global disease burden", Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli; September 28-29, 2015. **-** "**Gut microbial degradation of OP insecticides induces gluconeogenesis".**

18. 12th Annual Conference of the International Society for Heart Research (Indian Section), Jawaharlal Nehru University, New Delhi; March 14-15, 2015.- **"Differential expression of apoptotic miRNAs and piRNAs during cardiac hypertrophy and heart failure".**

19. National level trends in Biotechnology One day Seminar conducted by Selvam arts and Science College Namakkal. TamilNadu; February 20, 2015. - **"Role of sncRNAs during cardiac diseases".**
20. Third Global Sustainable Biotech Congress-2014, 1-5 December, 2014. North Maharashtra University, Jalgaon. – "**Nevirapine alters cardiac hypertrophy by altering piRNA and PIWI genes: piR_2106027 a novel hypertrophy marker".**
21. UGC Sponsored National Conference on Emerging Protein Technologies for Formulation Solutions, October 16, 2015, Tumkur University. - **miRNA 99 family plays an indispensable role in determining the fate of cardiac hypertrophy".**
22. Indo-US Symposium on "Contemporary Issues in Cell Kinetics", 29th-30th October, 2014. Babasaheb Bhimrao Ambedkar University, Lucknow. – "**miRNA 99: An antiapototic miRNA and novel diagnostic marker and therapeutic target for myocardial infarction."**
23. Inter Collegiate Student Seminar, July 11, 2014. Madras Christian College, Chennai, India. – "**Small, non-coding RNAs: Novel Biomarkers and Therapeutic Targets."**
24. PG Zoology Society, March 18, 2014, Virudhunagar Hindu Nadar's Senthikumara Nadar College, Virudhunagar, India. – "**A novel risk factor for Cardiovascular Diseases.**"
25. National Conference on Bimolecular Structure & Function, March 7-8, 2014, V.V. College of Engineering, Tisaiyanvilai, India – "**Ban of monocrotophos is a good decision- No More Alternate Strategy?**"
26. Academies' Lecture Workshop on Recent Research in Biological Sciences-National Science Day & 45th Aqua-Terr Annual Conference on Biological Sciences, Madurai Kamaraj University, Madurai; February 27-28, 2014.- "**Heart and retrotransposons: piRNA the guardians, Does miRNA-99 family play an indispensable role in determining the fate of cardiac hypertrophy?, and Association of stress hormones cortisol levels and cardiovascular ailments in South Indian Population.**"
27. U.G.C.-Academic Staff College-Sponsored Refresher Course, Madurai Kamaraj University, Madurai. February 7-27, 2014. – Participated in **Refresher Course in Research Methodology (Molecular Biology) on the theme "Research Methodology and Statistics" and obtained Grade "A".**
28. 11th Annual Conference of International Society for Heart Research (Indian Section), February 8-9, 2014, National Institute of Pharmaceutical Education and Research, Punjab, India. – "**Are piRNAs a key player in cardiac hypertrophy?**"

29. Participated as a **registered Delegate** on National Seminar on Emerging Trends in Infectious and Non-Infectious Diseases, February, 15, 2013, Madurai Kamaraj University, Madurai. - Workshop on "**Biomedical informatics for Ophthalmologists"** held at Dr.G.Venkataswamy Eye Research Institute, Aravind Medical Research Foundation, Madurai, October, 11-13, 2013.
30. National seminar on Green Bioenergy: Opportunities, Threats, Knowledge Gaps and Socio-Economic Impacts, Alagappa Govt. Arts College, Karaikudi; December, 27-28, 2012.
31. Exploit Current Research for Harnessing the Field of Life Sciences-Bio fest 2012- International Bio Conference & Event, December 12-13, 2012, Leonia International Convention Center, and Hyderabad, India. – "**Expression Profiling of MicroRNAs During Chronic Swimming-induced Physiological Cardiac Hypertrophy.**"
32. U.G.C-Academic Staff College, Bharathiar University, Coimbatore, September, 29, 2012.-"**Heart Attack: Special focus on atherosclerosis & Mitochondrial Disease.**"
33. National Conference on Frontier Areas in Applied Zoology, Ayya Nadar Janaki Ammal College; Sivakasi, March, 16, 2012- "**Cardiac Health Diseases**"
34. U.G.C.-Academic Staff College, Bharathiyar University, Coimbatore, March 9, 2012.-"**Mitochondrial dynamics during induction of Cardiac Hypertrophy and Heart Failure.**"
35. U.G.C-Academic Staff College & Centre for Educational Research, Madurai Kamaraj University, Madurai; April, 23-29, 2010. – **Participated in Induction Programme for the newly appointed Assistant Professors.**
36. Presented a poster on "**Early Diagnosis of sudden cardiac death (SCD) in South Indian Hypertrophic Cardiomyopathy Patients**.**"** in conference on Genes, Evolution and Complex Disease 2006, National Centre for Biological Sciences, Bangalore, India.
37. Presented a poster on "**Early Diagnosis of sudden cardiac death (SCD) in South Indian Hypertrophic Cardiomyopathy Patients**" in Human Evolution and Disease, 2006, Centre for Cellular and Molecular Biology, Hyderabad, India.
38. Presented a poster on **"Expression patterns of cardiac genes during induced cardiac hypertrophy in rats."** in The National Academy of Sciences, 2005, Pondicherry University, Pondicherry, India.

CONFERENCE/WORKSHOP/SEMINAR/TRAINING ORGANIZED

Type	Name	Date(s)	Place	Role Played	Funding Agency
Conference	49th Aqua-Terr Annual Conference on Biological Sciences	27 & 28 February, 2018	SBS, MKU	Treasurer	ATSBS Society
Seminar	"Lung Diseases: Mechanisms Driving remodelling of the lung parenchyma and vasculature." Delivered by Dr. Soni Savai Pullamsetti, Max-Planck Institute for Heart & Lung Research, Bad Nauhem, Germany.	February-17-19, 2014.	SBS, MKU	Organizer	TAMIL NADU HIGHER EDUCATION SCIENCE FORUM

MEDIA ATTENTIONS

S.No.	Title of the article	Name of the newspaper etc. in which published	Publisher (with city/ country) & Date/Year of Publication
1	Gut Microbial Degradation of Organophosphate Insecticides-induces glucose intolerance *via* gluconeogenesis .(Ramasamy and Velmurugan et al., 2017)	The Hindu	Madurai, Tamil Nadu , India & 29/01/2017
2	Gut Microbial Degradation of Organophosphate Insecticides-induces glucose intolerance *via* gluconeogenesis. (Ramasamy and Velmurugan et al., 2017)	NDTV	http://www.ndtv.com/health/pesticide-use-can-cause-diabetes-scientists-sound-warning-1652161
3	Gut Microbial Degradation of Organophosphate Insecticides-induces glucose intolerance *via* gluconeogenesis. (Ramasamy and Velmurugan et al., 2017)	Down to Earth Magazine	http://www.downtoearth.org.in/news/toxic-spray-57309
4	➢ Bestandteile von Insektiziden erhöhen das Diabetesrisiko. **Aerzteblatt .** 24 Jan., 2017	**Official Journal of German Medical Association.**	http://www.aerzteblatt.de/nachrichten/72553/Bestandteile-von-Insektiziden-erhoehen-das-Diabetesrisiko
5	Exposure to commonly used insecticide may contribute to diabetes via the gut microbiome..24 Jan., 2017	**Medical News Today**	http://www.medicalnewstoday.com/releases/315426.php
6	Jacob Koshy. A Stomatch for gut research.. 29 Jan., 2017.	**The Hindu**	http://www.thehindu.com/sci-tech/health/A-stomach-for-gut-research/article17109591.ece
7	Mukunth, V. Indian researchers unravel how a common insecticide can cause diabetes.. 29 Jan., 2017.	**The Wire**	https://thewire.in/103777/organophosphates-diabetes-ache/
8	Pesticide exposure may increase risk of diabetes. 31 Jan., 2017.	**Nature India.**	http://www.natureasia.com/en/nindia/article/10.1038/nindia.2017.14

9	Ghosh, B. Does pesticide exposure cause diabetes? 18 April, 2017	**India Bioscience**	https://indiabioscience.org/news/2017/does-pesticide-exposure-cause-diabetes

BOOK PUBLISHED

Title of the Book / Chapter	Author	Publisher	Year	ISBN Number
Functional Genomics of microRNAs. In: Current Developments in Biotechnology & Bioengineering Vol. II. Paramasamy, G., Noronha, S & Pandey, A. (eds.)	Velmurugan, G., Dasgupta, A., Krishnan, K., Sivakumar, A., Yacob, J.C. & **Ramasamy, S.**	Elsevier	2016	9780444636782
Cardiactoxicity	Aurelian Bidulescu, Doru T Alexandrescu, **Subbiah Ramasamy**	Elsevier	2010	NVRN291
Antibacterial effect of various plant extracts on the human pathogen In: Dimensions of Environmental Threats/edited by Arvind Kumar.	**S. Ramasamy**, A. Charles Manoharan and J. Rajendhran	Daya, Delhi.	2003	81-7035-305-X

MEMBERSHIP IN ACADEMIC BODIES

1. Life member in International Society of Heart Research
2. Life member in American Heart Association
3. Life member in International Cardiovascular Society

MEMBERSHIP IN PROFESSIONAL BODIES

1. **Reviewer**-Neurochemistry International -2013-till date.
2. **Reviewer**- GENE (ELSEIVER) -2017-till date.
3. **Editor**- Translational Genetics and Genomics-2016- till date.
4. **Co-editor**- Austin Pathology, Austin Publishing group- 2016- till date.
5. **Editor**- SF Journal of Biotechnology and Biomedical Engineering
6. **Editor**- The Journal of Developmental Biology and Regenerative Medicine

ADMINISTRATIVE EXPERIENCE

Role Played	Responsibilities	Period (Month & Year)
Special Camp Officer	Central Valuation Semester November-2012 Examinations	December 11, 2012
Selection Panel Member	Member	2014 to till date

CONTACT

Name : **Dr. S. Ramasamy, M.Sc., M. Phil., Ph.D.**
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Department of Molecular Biology
School : **School of Biological sciences**
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