


## Profile of the Faculty Member

1.	Name of the Faculty member	<b>Angamuthu Selvapandiyan</b>	
2.	Designation	<b>Head, Associate Professor, TEAM LEAD SCIENTIST</b>	
3.	Qualifications	Ph.D.	
4.	State of Domicile	Delhi	
5.	Department & School	Department of Molecular Medicine, School of Interdisciplinary Sciences & Technology	
6.	Details of Courses taught	Immunology, Vaccinology, Cell biology	
7.	Research Thrust Areas	Vaccinology, Parasitology, Immunology	
8.	Emails	<a href="mailto:selvapandiyan@jamiahamdard.ac.in">selvapandiyan@jamiahamdard.ac.in</a> <a href="mailto:selvapandiyan@hotmail.com">selvapandiyan@hotmail.com</a>	
<b>PUBLICATIONS</b>			
9.	Publications in peer reviewed National & International journals, Citations, H-index	<p><b>Google Scholar: Angamuthu Selvapandiyan</b></p> <p><b>Scopus Author ID: 57203371147</b></p> <p><b>ORCID: <a href="https://orcid.org/0000-0002-2194-1534">https://orcid.org/0000-0002-2194-1534</a></b></p> <p><b>Web of Science Researcher ID <a href="#">AAY-2556-2021</a></b></p> <p><b>Pubmed ID: Selvapandiyan A</b></p> <p><b><u>Over 67 Papers published</u></b></p>	
<b>BOOKS &amp; BOOK CHAPTERS PUBLISHED</b>			
10.	Number of Book Chapters in Edited books of National Publishers	5 Publishers: APH, India ICRISAT, Hyderabad, India Malhotra Pub. House, New Delhi BRNC, Dept. of Atomic Energy, India	
11.	Number of Book Chapters in Edited books of International Publishers	3 Publishers: Academic Press, New York, USA Springer, New York, USA	
<b>RESEARCH GRANTS AND CONSULTANCY PROJECTS</b>			
12.	Number of research grants from govt. funding agencies as PI/Coordinator	6 From DBT: Fund value Rs. 64 Lakhs From DBT: Fund value Rs. 178 Lakhs From ICMR: Fund value Rs. 14 Lakhs From SERB: Fund value Rs. 64 Lakhs From BIRAC: Fund value Rs. 127 Lakhs From ICMR: Fund value Rs. 50 Lakhs	

13.	Number of research grants from govt. funding agencies as Co-PI	4 From DBT: Fund value Rs. 153 Lakhs From: DBT: Fund value Rs. 99 Lakhs
14.	Number of research grants from International and private sources as PI	2 From Colombo University: Sri Lanka Fund value Rs. 14 Lakhs From World Health Organization Fund value Rs. 8 Lakhs
<b>RESEARCH SUPERVISION</b>		
<b>As Supervisor</b>		
15.	Number of Ph.D. Guided	<b>1</b> Currently guiding <b>6</b>
16.	Number of Master's theses/dissertations Guided	18
<b>As Co-supervisor</b>		
17.	Number of Ph.D. Guided	Currently guiding <b>1</b>
18.	Number of Master's theses/dissertations Guided	18
<b>PATENTS</b>		
19.	Number of Patents Granted	2 International 1 National
<b>PRESENTATIONS IN CONFERENCES AS SPEAKER/ RESOURCE PERSON</b>		
20.	Number of presentations in National or International Conferences in India	<b>12 ORAL/Invited</b> <b>7 Poster</b>
21.	Number of presentations in International Conferences abroad	<b>9 ORAL/Invited</b> <b>23 Poster</b>
<b>INTERNATIONAL AWARDS, HONOURS AND FELLOWSHIPS RECEIVED</b>		
22.	<p><b>1985</b> Attended <u>UNESCO</u> training course in Tissue &amp; Cell Culture Methods &amp; Applications, Baroda, India. Sponsored by <b>UNESCO</b></p> <p><b>1988</b> <u>Travel grant from CSIR, India</u>, to <b>Kyoto, Japan</b> for a talk presentation at 5th Intl. Cong. on Plant Pathology</p> <p><b>1996</b> <u>Travel grant from SISSA, Trieste, Italy</u> to attend Theoretical and practical course on "Selecting from Phage display libraries" by <u>European Molecular Biology Organization</u>, <b>Trieste, Italy</b></p> <p><b>2010</b> <u>Gates Foundation Travel Award to attend Keystone meeting on 'Vaccines Immunology'</u> at <b>Seattle USA</b></p> <p><b>2011</b> <u>National Foundation for Infectious Diseases, USA travel award to attend</u></p>	

	<p><u>14<sup>th</sup> Vaccines Research meeting at <b>Baltimore, USA</b></u></p> <p><b>2013</b> <u>Gates Foundation Travel Award to attend Keystone meeting on 'Vaccines Immunology' at <b>Rio, Brazil</b></u></p> <p><b>2013</b> <b>As Resource person in 2<sup>nd</sup> International Colloquium on Clinical, Diagnostic, Chemotherapeutic and Entomological Aspects of Leishmaniasis.</b> Sri Lanka Institute of Development Administration, March 2013. <b>Colombo, Sri Lanka</b></p> <p><b>2015</b> Travel Grant from National Institute of Allergy and Infectious Diseases To attend The Fundamentals of International Clinical Research Training that will be held in <b>Bangkok, Thailand</b>, 6-11 September 2015.</p> <p><b>2017</b> Laboratory Travel Grant from American Association of Immunologists (AAI) in May to visit AAI Meeting at <b>Washington DC, USA</b> to present paper on "The interaction between mast cells and Leishmania parasites.</p> <p><b>2018</b> Organized as "Secretary", an <b>International Conference</b> on Innovations for the Elimination and Control of Visceral Leishmaniasis at Holiday Inn, <b>Aerocity, New Delhi</b> 28-10 November 2018, participated by ~250 national and international delegates. Sponsored by <b>World Health Organization</b>, etc</p> <p><b>2018</b> Chaired a session "Selective oral presentations" at the <b>International Conference</b> on Innovations for the Elimination and Control of Visceral Leishmaniasis at Holiday Inn, <b>Aerocity, New Delhi</b> 28-10 November 2018, participated by ~250 national and international delegates.</p> <p><b>2019</b> Guest Editor to Plos Neglected Tropical Diseases (<b>PLOS-NTD journal</b>), <b>USA</b></p> <p><b>2020</b> Associate Editor to Plos Neglected Tropical Diseases (<b>Plos-NTD journal</b>), <b>USA</b></p>
<b>STAFF DEVELOPMENT/REFRESHER/SHORT TERM TRAINING PROGRAMME/WEBINARS ORGANIZED</b>	
23.	<p>1. Jamia Hamdard Sponsored Department of Molecular Medicine's International Invited Talk Series. All One-day Talks. Total talks organized: 12</p> <p>2. International Conferences organized 3</p> <p>3. National Symposia organized 3</p>
<b>MEMBER(S) OF NATIONAL COMMITTEES</b>	
24.	<p>Indian Cell Biology Association (Life Member)</p> <p>Indian Society of Immunologists (Life Member)</p> <p>Indian Society of Parasitologist (Life Member)</p> <p>Stem Cell Review Committee, Sir Gangaram Hospital, New Delhi</p> <p>DBT nominee/member of IBSC of IGIB</p>
<b>MEMBER(S) OF INTERNATIONAL COMMITTEES</b>	
25.	<p>American Society of Microbiologists</p> <p>American Association of Immunologists</p> <p>European Biotechnology Network</p>

**ADMINISTRATIVE RESPONSIBILITIES/ PARTICIPATION IN COMMITTEES OF JAMIA HAMDARD**

**26.** INCHARGE JH-Institute of Molecular Medicine ( 2016-2018 )  
Head, Department of Molecular Medicine ( 2018 – 2022 )  
Head, Department of Food Technology ( 2019-2021 )  
Purchase committee – School of Interdisciplinary Sciences & Technology;  
Department of Toxicology purchase committee  
Committee on Leishmania Elimination & Control as Secretary  
Committee for interview selection of MSc students at Dept of Biotechnology  
Committee for interview selection of PhD students at the School of Chemical and Life Sciences.  
Committee for PhD students' progress presentations at Dept of Toxicology  
JHIMM PhD Program Co-ordinator  
Member: Innovation Council Jamia Hamdard  
SRAC committees of students of National Institute of Pathology, National Institute of Immunology and Jamia Hamdard

**ANY OTHER**

**27** **FORMERLY AS SCIENTIST AT**

1. United Nations Industrial Development Organization (UNIDO) 1988-95
2. International Centre for Genetic Engineering and Biotechnology (ICGEB) 1995-99
3. Food and Drug Administration (FDA), USA 1999-2009
4. Institute of Molecular Medicine, (2009-2016)
5. JH-Institute of Molecular Medicine (2016-2018)

**MAJOR AWARDS**

- 2002** **“FARE” award for Research Excellence, from National Institute of Health, Bethesda MD USA**
- 2007** **‘Group Recognition Award’ to Chagas Disease Donor Screening Biological License Application Review Group by CBER/FDA USA**
- 2009** Centre Director's **Scientific Achievement Award** from **CBER/FDA USA**

**INTERNATIONAL TRAVEL AWARDS FROM**

1. Gates Foundation, USA;
2. European Molecular Biology Organization, Europe; National Foundation for Infectious Diseases, USA,
3. Sri Lanka Institute of Development Administration, Sri Lanka;
4. University of Colombo, Colombo, Sri Lanka;
5. Food and Drug Administration, USA
6. Mayo Clinic College, Minnesota, USA
7. National Institute of Allergy and Infectious Diseases, USA;
8. Council of Scientific & Industrial Research, India

**MAJOR SCIENTIFIC ACHIEVEMENTS**

**Development of Methods and published/with patents:**

1. “Wilt Disease resistant crops” plants (1985)

	<ol style="list-style-type: none"><li>2. "Haploid crop plants" through cell culture (1986)</li><li>3. Cost effective technique to harden tissue culture developed crop plants (1986)</li><li>4. BT gene transgenic pest resistant crop plants (1996)</li><li>5. Multiplex diagnostic tool for Viral Infections (2004)</li><li>6. Multiplex detection of blood borne and bioterror pathogens in blood with a DNA microarray (2005)</li><li>7. Multiplex diagnostic tool for blood borne bacterial and Parasitic organisms (2007)</li><li>8. A <i>Leishmania</i> minicircle DNA footprint assay for sensitive detection and rapid sepciation of clinical isolates (2008)</li><li>9. Live attenuated <i>Leishmania donovani</i> parasite vaccine candidate against visceral leishmaiasis (2009)</li><li>10. Selective Elimination of <i>Leptomonas</i> parasites from <i>Leishmania</i> clinical cultures (2015)</li><li>11. High Resolution Melting Method to identify <i>Leptomonas</i> contaminants in <i>Leishmania</i> clinical isolates (2020)</li></ol>
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