

# Dr. K. BALAKRISHNAN

Professor & Head

Department of Immunology  
School of Biological Sciences



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**Educational Qualifications**

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

**Professional Experience**

**: Professor & Head**

## FIELD OF SPECIALIZATION

- Immunology

## RESEARCH SPECIALIZATION

- HLA Immunogenetics
- Population genetics

**Research Supervision:**

Program	Completed	Ongoing
Ph.D	10	5
M.Phil	19	

## PROFESSIONAL EXPERIENCE

No	Institution	Position	From (date)	To (date)	Duration
1	Dept. of Immunology MKU	JRF, UGC Project	1987	1993	7
2	Madurai Kamaraj University, Madurai	Junior Scientist (Indo-UK)	1993	1998	5
3	The American College, Madurai.	Lecturer (FIP Leave)	1998	1999	1
4	Thiagarajar College, Madurai.	Senior Lecturer	1999	2005	6 yrs 6 months
5	Bharathidasan University, Trichy.	Assistant Professor	2005	2011	5 yrs 6 months
6	Madurai Kamaraj University, Madurai	Associate Professor	2011	2014	3 Yrs
7	Madurai Kamaraj University, Madurai	Professor & Head	2014	Till-date	

## RESEARCH COLLABORATION (BOTH NATIONAL & INTERNATIONAL)

Name of the Collaborator	Institute	Collaboration Details	Collaboration Output ( Papers/Patents/Research/Online)

## COMPLETED RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant	Year
1.	"Immunogenetic Profiling of Kani Tribes of Western Ghats" (Thiagarajar College, Madurai)	UGC, New Delhi	Rs.8,68,600/-	2004 - 2007 3 Years (completed)
2	"Advanced Diploma in Molecular Diagnostics" (post-PG level) (Bharathidasan University, Trichy)	DBT, Govt. of India, New Delhi	Rs. 75,00,000/-	2008-2013 (completed)
3	"Screening of <i>in vivo</i> Heat Shock Proteins (HSPs) as a health index in subjects exposed to mobile phone induced electromagnetic radiation and its association with HLA genes" (Bharathidasan University, Trichy)	DRDO-LSRB, Ministry of Defence, Govt. of India	Rs. 15,98,300/-	2009-2012 (completed)
4	The structure of the Vitellogenin receptor from <i>Lepidoptera</i> (Co-PI) (Bharathidasan University, Trichy)	UKIERI, British Council, UK	26.6 lakhs	2008-2011 (completed)
5	Studies and Evaluation of larvicidal effects and doses of Electron Beam using Microtron irradiation as an effective	BRNS- Department of Atomic Energy (DAE)	Rs.18, 92,420/-	2010-2013 (completed)

	method for pest control (Co-PI)			
6	Interactions of HLA-ACE ApoE genes in developing the spectrum of secondary complications in diabetes patients from south India	UGC, New Delhi	Rs. 12,10,800	2012-2015 (completed)

### ON-GOING RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant	Year
	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

### HONORS/AWARDS/RECOGNITIONS

- Passed **UGC NET JRF** Examination - 1986.
- Awarded **Robert Cochrane Overseas Travel Fellowship** from Royal Society of Tropical Medicine and Hygiene, London, UK for training in microsatellite mapping in leprosy families at Wellcome Trust Centre for Human Genetics - 1996.
- Awarded **FIMSA/IUIS** travel bursary to attend Indian Immunology Congress (New Delhi, 2007)

## PUBLICATIONS

### International

- Pitchappan R M, V Brahmajothi, K Rajaram, P Thirumalaikolundu Subramanyam, **K Balakrishnan** and R Muthuveeralakshmi (1991). Spectrum of immune reactivity to mycobacterial BCG antigens in healthy hospital contacts in South India. *Tubercle*, 72: 133-139. (UK). (IF:2.536).
- Subramanian V S, **K Balakrishnan**, R M Pitchappan, P Chandrashekar, and C Damodaran (1994). Red cell enzymes and serum protein polymorphism in three population groups of South India. *Gene Geography*. 8:169-174. (ISSN:0394-249X).
- Balakrishnan K**, R M Pitchappan, K Suzuki, U S Kumar, R Santhakumari and K Tokunaga (1996). HLA affinities of Iyers, a Brahmin population of Tamil Nadu. South India. *Human Biology*. 68:523-537. (IF:0.85)
- Pitchappan R M, **K Balakrishnan**, V Sudharsan, V Brahmajothi, V Mahendran, S Amalraj, R Santhakumari, K Vijayakumar, P Sivalingam and S Ramasamy (1997). Sociobiology and HLA genetic polymorphism in hill tribes, Irulas of Nilgiris and Malayalis of Shevroy, South India. *Human Biology*. 69: 1: 59-74. (IF:.0.85) .
- Ravikumar M , V Dheendhayalan, K Rajaram, S Shanmugalakshmi, P Paul Kumaran, C N Paramasivan, **K Balakrishnan** and RM Pitchappan (1999). Association of HLA-DRB1, DQB1 alleles with pulmonary tuberculosis in South India. *Tubercle&Lung Diseases*. 79: 5: 309-317. (IF:2.47).
- Ruby Siddiqui M, S Meisner, K Tosh , **K Balakrishnan**, S Ghel, S E Fisher, M Golding, N P S Narayan, T Sitaraman, U Sengupta, RM Pitchappan, and A V S Hill (2001). A major susceptibility locus for leprosy in India maps to chromosome 10p13. *Nature Genetics*. 27: 439-441. (IF:31.64).
- Spencer Wells R, N Yuldasheva, R Ruzibakiev, P A Underhill, I Evseeva, J Blue-Smith, L Gin, B Su, RM Pitchappan, S Shanmugalakshmi, **K Balakrishnan**, M Read, N M Pearson, T Zerjal, M T Webster, I Zholoshvili, E Jamarjshvili, S Gambarov, B Nikbin, A Dostiev, O Aknazarov, P Zalloua, I Tsoy, M Kitaev, M Mirrakhimov, A Chariev, and W F Bodmer (2001). The Eurasian Heartland: A continental perspective on Y-chromosome diversity. *PNAS*. 98: 18:10244-10249. (IF:9.42).
- Tosh K, S Meisner , M Ruby Siddiqui , **K Balakrishnan**, S Ghei, M Golding, U Sengupta, R M Pitchappan, and A V S Hill (2002). A region of Chromosome 20 is linked to Leprosy Susceptibility in a South Indian population. *Journal of Infectious Diseases* 186:1190-1193. (IF:6.34).
- Shanmugalakshmi S, **K Balakrishnan**, K Manoharan and R M Pitchappan (2003). HLA- DRB1\*, - DQB1\* study in Piramalai Kallars and Yadhavas: two Dravidian-speaking castes of Tamil Nadu, South India. *Tissue Antigens*. 61:1-14. (IF:2.13).
- Asha Devi N K, M Jeyarani and **K Balakrishnan** (2006). Isolation of Marine Actinomycetes and their Potential in antimicrobial activity. *Pakistani Journal of Biological Science* . 9 (3): 470-472. (ISSN:1028-8880).
- Muthukannan Rammohan, **Karuppiah Balakrishnan**. Rapid Synthesis and Characterization of Silver

Nano Particles by Novel Pseudomonas sp. “ram bt- 1”. *Journal of Ecobiotechnology* 2011, 3(1): 24-28. (ISSN:2077-0464).

Parthasarathi S, Sathya, R. Durai Samy, Ram Mohan, G. Selva Kumar, M. Manikandan, T. Manikandan, M. Ramesh and **K. Balakrishnan**. Cytotoxic activity of partially purified 7-demethoxy rapamycin derived from *Streptomyces hygroscopicus* BDUS 49. *Int J Med Res.* 2011; 1(4): 198-203.(ISSN:2320-7159).

Parthasarathi S, Sathya S, Bupesh G, Durai Samy R, Ram Mohan M, Selva Kumar G, Manikandan M, Kim C J and **Balakrishnan K**. Isolation and Characterization of Antimicrobial Compound from Marine *Streptomyces hygroscopicus* BDUS 49. *World Journal of Fish and Marine Sciences* 4 (3): 268-277, 2012 (ISSN:2078-4589)

**Balakrishnan K**, Murali V, Rathika C, Manikandan T (2011). An analysis of host genetics (HLA) and the expression of heat shock proteins (HSP) among mobile phone users. Available from [http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?arnumber=6026859](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6026859) (978-1-4244-9275-6/11/\$26.00©2011 IEEE).

Rathika C., **Balkrishnan K.**, Manikandan T, Raja N, Palani Kumaran V and Prasad NS (2012). Involvement of HLA-DR/DQ, ApoE and ACE I/D gene polymorphisms in the development of secondary complication in south Indian T2DM patients. *Int J Hum Genet* 12(1): 21-32. (IF:0.32).

**Balakrishnan K**, Rathika C, Kamaraj R., Subashini R, Saravanan MP, Asha KV, Kannan M, VinothKumar R, Manikandan T, Dhivakar M and Murali V(2012). Gradients in the distribution of HLA-DRB1\* alleles in caste and tribes in south India. *Int J Hum Genet.* 12(1): 45-55. (IF:0.32).

Murali V, Rathika C, Padma Malini R, Joseph Arun Kumar Mosses, Neethi Arasu Vellaiappan, Jeyaram Illiyaraja Krishnan, **Balakrishnan K** (2014). ACE -II genotype and I allele predicts Ischemic Stroke among males in south India. *Meta Gene.* 2014; 2: 661-669. (IF:2.31).

**Balakrishnan K**, Murali V, Rathika C, Manikandan T, Padma Malini R, Aravind Selvin Kumar R, Krishnan M. Hsp70 gene expression as an independent stress marker among frequent users of mobile phones. *Journal of Environmental Pathology, Toxicology and Oncology.* 2014; 33(4):339-34.(IF:1.24).

Bhargava N, Shanmugaiah V, **Balakrishnan K**, Ramkumar J and Das M (2015). Comparing the Adhesion and Survival of Adult Rod and Cone Photoreceptor Neurons on ‘Poly-D-Lysine’ and ‘Concanavalin-A Substrate. *J. Biomater, Tissue Eng*, 2015, Vol.5, 1-8.(ISSN:2157-9083).

Mani K Kannan, Karuppiyah Balakrishnan, Ganesh Sanjeev, Muthukalingan Krishnan. Assessment of electron beam irradiation induced proteomic changes and its effect on the development of silkworm, *Bombyx mori* (Bombycidae: Lepidoptera). *The Journal of Basic & Applied Zoology* (2016) 73, 32–38. (ISSN:2090-9896)

Kumar, A. S., Srilakshmi, R., Karthickeyan, S. M. K., Balakrishnan, K., Padmaraj, R., & Senguttuvan, P Kumar, A. S., Srilakshmi, R., Karthickeyan, S. M. K., Balakrishnan, K., Padmaraj, R., & Senguttuvan. (2016). Wilms’ tumour 1 gene mutations in south Indian children with steroid-resistant nephrotic syndrome. *The Indian Journal of Medical Research*, 144(2), 276–280. <http://doi.org/10.4103/0971-5916.195044> (IF:2.06)

- Vijayan Murali, Chinniah Rathika, Sivanadham Ramgopal, Ravi Padmamalini, Joseph ArunKumar, Vellaiappan Neethi Arasu, Krishnan Jeyaram Illayaraja and **Karuppiiah Balakrishnan** Susceptible and Protective associations of HLA DRB1\*/DQB1\* alleles and haplotypes in Ischemic Stroke patients. **International Journal of Immunogenetics** 2016, 43, 159–165. (IF:1.17)
- Chinniah Rathika, Vijayan Murali, Kamaraj, Sivanadham Ramgopal, Ravi Padmamalini, Dhivakar and **Karuppiiah Balakrishnan** HLA alleles and haplotypes in cervical cancer patients from south India. **Asian Pac J Cancer Prev.** 17 (5), 2491-2497. (IF:1.24)
- Rathika Chinniah, Murali Vijayan, Manikandan Thirunavukkarasu, Dhivakar Mani1, Kamaraj Raju, Padma Malini Ravi, Ramgopal Sivanadham, Kandeepan C, Mahalakshmi N, **Balakrishnan Karuppiiah** (2016). Polymorphic Alu Insertion/Deletion in Different Caste and Tribal Populations from South India. **PLoS ONE** 17(6): (IF:3.23)  
**DOI:10.1371/journal.pome.0157468.**
- Murali Vijayan, Rathika Chinniah, Padma Malini Ravi, Ramgopal Sivanadham, Arun Kumar, Mosses Joseph , Neethi Arasu Vellaiappan, Jeyaram Illiayaraja Krishnan, **Balakrishnan Karuppiiah**. MTHFR (C677T) CT genotype and CT-apoE3/3 genotypic combination predisposes the risk of ischemic stroke. **Gene** 591 (2016) 465–470.(IF:2.31)
- A Aravind Selvin Kumar Ramanathan, Prabha Senguttuvan, Rathika Chinniah, Murali Vijayan, Manikandan Thirunavukkarasu, Kamaraj Raju, Dhivakar Mani, Padma Malini Ravi, Padmaraj Rajendran, Jeyaram Illiayaraja Krishnan and **Balakrishnan Karuppiiah**. Association of HLA-DR/DQ alleles and haplotypes with nephrotic syndrome. **Nephrology.** 21 (2016) 745–752. (IF:1.79)
- Rathika Chinniah, Murali Vijayana, Ramgopal Sivanadham, PadmaMalini Ravi, Dharmarajan Panneerselvam, **Balakrishnan Karuppiiah**. Association of HLA-A, B, DRB1\* and DQB1\* alleles and haplotypes in south Indian T2DM patients. **Gene.** 592 (2016) 200–208. (IF:2.31)
- R. N Nageshwari, M. Dhivakar, **K. Balakrishnan**, Sivan Arul Selvan and V. Kumaravel\* Common CYP21A2 Gene Mutations in South Indian Congenital Adrenal Hyperplasia Patients. *Int J Hum Genet.* (2017) 17(3): 103-108 (IF:0.32)
- Govi Govindarajan G, Kamaraj R, **Balakrishnan K**, Santhi VS, Jebakumar SRD. In-vitro assessment of antimicrobial properties and lymphocytotoxicity assay of benzoisochromanequinones polyketide from *Streptomyces* sp JRG-04. **Microb Pathog.** 2017 Sep;110:117-127. doi: 10.1016/j.micpath.2017.06.034. Epub 2017 Jun 23. PubMed PMID: 28652178. (IF: 2.00)
- Ramgopal S, Rathika C, Padma MR, Murali V, Arun K, Kamaludeen MN, **Balakrishnan K**. Interaction of HLA-DRB1\* alleles and CTLA4 (+49 AG) gene polymorphism in Autoimmune Thyroid Disease. **Gene.** 2018 Feb 5;642:430-438. doi: 10.1016/j.gene.2017.11.057. Epub 2017 Nov 22. PubMed PMID: 29174716. (IF:2.31)

Ramgopal S, Rathika C, Padma Malini R, Murali V, Arun K, **Balakrishnan K**. Critical amino acid variations in HLA-DQB1\* molecules confers susceptibility to Autoimmune Thyroid Disease in south India. **Genes Immunity-Nature**. 2018 Jan 8. doi:10.1038/s41435-017-0008-6. [Epub ahead of print] PubMed PMID: 29307887 (IF: 3.25).

### **National**

Pitchappan R M, S Amutha, V Mahendran, V Brahmajothi, U Shankarkumar, **K Balakrishnan**, R Shantha Kumari, M Sashidhar, S Amalraj, May Manuel and V Indra Raja (1993). Frequency of HLA antibodies in South India, **Journal of Biosciences**. 18:373-380.(IF:1.41).

Ramasamy S, **K Balakrishnan** and RM Pitchappan (1995). Prevalence of Sickle cells in Nilgiris, South India. **Indian Journal of Medical Research**. 100: 242-245. (IF:2.06).

Pitchappan R M, **K Balakrishnan**, Mahendran V and V Brahmajothi (1995). HLA and disease susceptibility in Tamil Nadu, South India. **Indian Journal Of Human Genetics**. 1: 56-63. (IF:0.976)

Asha Devi, N K, R Gopal, **K. Balakrishnan** and S Padmavathy (2006). High potential bioactive compounds in marine microorganisms. **Advanced Biotech**. Vol.V:06:20-24. (ISSN:0973-0109)

Asha Devi N K, R Gopal, **K Balakrishnan** and S Padmavathy (2007). Antibacterial and antifungal activity of marine bacteria from Gulf of Mannar resources. **Journal Of Current Sciences**. 243-246. (ISSN:0972-6101)

Rathika C, S M Fazeela Mahaboob Begum, **K Balakrishnan** (2007). Antimicrobial properties of selected coastal plants and marine algae from East cost of Tamil Nadu. **Indian J. Environ. Ecoplan**. 14 (1-2): 297-302.(ISSN:1028-8880)

Marudhu Ramachandran M, **K Balakrishnan**, A D Cynthiya, M Manishankar, M Panimalr, T Raghuraman, and R Siva Ganesa Karthikeyan (2007). Screening and Isolation of Cyclosporin related compound producing soil fungi from Western Ghats, Tamil Nadu. **Current Science**. 92:6:726-727.)

Marudhu Ramachandran M, **K Balakrishnan** and T Raghuraman (2008). Isolation and Identification of cyclosporine producing fungi from Western Ghats, **Forest Biodiversity**. 2:256-262.

Asha Devi N K, **K Balakrishnan**, R Gopal and S Padmavathy (2008). *Bacillus clausii* MB9 from the east coast regions of India: Isolation, biochemical characterization and antimicrobial potentials. **Current Science**. Vol, 95:5 627-636.(IF:0.83)

Padmavathy S, Asha Devi N K and **Balakrishnan K** (2012). Probiotics- The Inimitable Bacteria for Life. **Advanced Biotech**. Vol,11:8:7-11. (ISSN:0973-0109)

**Balakrishnan K**, Rathika C, Murali V, Dhivakar M. Nano-Immunodiagnostics. **Bionanosciences (Write & Print Publications, New Delhi)** 2015; 187-207.



## PAPER PRESENTED IN CONFERENCE/SEMINAR/WORKSHOP

Name of the Conference	Date	Place	Title
43 <sup>rd</sup> Annual meeting of American Society for Histocompatibility & Immunogenetics to be held at Hilton San Francisco Union Square,	11-15, (September) 2017).	San Francisco, CA, USA	
42 <sup>nd</sup> Annual Conference of Indian Immunology Society(IMMUNOCON-2015),	9-11 (October) 2015)	Rajendra Memorial Research Institute of Medical Sciences, Patna	Novel Extended HLA Haplotypes in Health and Disease
The Indian Science Congress association	2013	Kolkata	Distribution of HLA-DRB1 alleles and ACE ID polymorphism in an elderly yadava population of Tamil Nadu, South India
International Paediatric Nephrology Association (IPNA), China		Shanghai International Convention Centre, China	Association of Angiotensin Converting Enzyme gene I/D polymorphism in Female
National seminar on tribal health and genomics	2012	Jiwaji University, Gwalior	Analysis of Alu insertion and HLA-DR polymorphism in Kani and Paliyar Tribal population of South India
The current trends in clinical genetics and genomic medicine	2011	Chettinad University	Genomic Technologies in Research and Diagnostic laboratory “PCR-SSP – HLA DRB & Angiotensin

			SNPs”
2 <sup>nd</sup> Indian youth Science Congress	2010	SRM University, Chennai	Angiotensin Converting Enzyme Gene insertion/Deletion Polymorphism in Idiopathic Nephrotic Syndrome in South Indian Children
Thamilaga Ariviyal Peravai 9 <sup>th</sup> Karutharangam	2009	Alagappa University, Karaikudi	Vercell sarntha maru uruvakka maruthuvam oar arimugam
33 <sup>rd</sup> Annual Conference of the Indian Immunology Society	Jan 28 <sup>th</sup> – 31 <sup>st</sup> (2007)	All India Institute of Medical Sciences	Renal failure and HLA class II association in Tamil Nadu
33 <sup>rd</sup> Annual Conference of the Indian Immunology Society	Jan 28 <sup>th</sup> – 31 <sup>st</sup> (2007)	All India Institute of Medical Sciences	HLA-DRB1* Association in South Indian patients with Cardiovascular disease
National Seminar on Ecological Balance and Sethusamudram Canal	Oct 1-3, 2004	Department of Oceanography & Coastal Area Studies, Alagappa University	Microbial Diversity
Pre Conference Technology Workshop & Pre Conference Technology Workshop	March 1 <sup>st</sup> – 4 <sup>th</sup> (2001)	Dept. Of Histocompatibility and immunogenetics AIMS, New Delhi	HLA-B5/35/15 CREG Antigens in the population of Tamil Nadu
8 <sup>th</sup> National Tamil Science Congress	(2000)	CECRI, Karaikudi	Manithakulathukku Aluminum malivu ulogama? Allathu Azhivu ulogama?
Prof. S. Krishnaswamy Memorial Science Day Symposium on Advances in Biology	(1997)	School of Biological Sciences, Madurai Kamaraj University, Madurai	HLA Serology

16 <sup>th</sup> Annual Conference of Indian Society of Human Genetics,	18 <sup>th</sup> to 20 <sup>th</sup> January (1991)	Department of Physical Anthropology & Prehistoric, Sri Venkateswara University, Tirupati	HLA allele polymorphism in Tribes of Tamil Nadu
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### CONFERENCE/WORKSHOP/SEMINAR/TRAINING ORGANIZED

Type	Name	Date(s)	Place	Role Played	Funding Agency
National	48 <sup>th</sup> Aqua-Terr annual conference and National conference on Innovations in modern biology in Madurai Kamaraj University,	<b>27-28, 2017</b>	Madurai Kamaraj University	<b>Organizing Secretary</b>	<b>DST-SERB, UGC</b>
<b>National</b>	41 <sup>st</sup> Annual Conference of Indian Immunology Society (IMMUNOCON-2014),	December 12-14, 2014	Madurai Kamaraj University	<b>Organizing Secretary</b>	<b>DST-SERB, UGC DBT</b>
<b>Workshop</b>	“XXX-Winter School on Advances in Molecular Diagnostic Techniques: Biochemistry & Immunology”,	5-17, 2016 (December)	Madurai Kamaraj University	<b>Coordinator</b>	<b>UGC-NRCBS</b>
<b>Workshop</b>	“Summer School on Immunotechnology	May, 2011	Madurai Kamaraj University, Madurai	<b>Coordinator</b>	<b>UGC-NRCBS</b>
<b>Workshop</b>	“Molecular Tools and Techniques in Plant and Animal Biotechnology”,		Bharathidasan University	<b>Coordinator</b>	<b>DBT &amp; CSIR</b>
<b>Workshop</b>	<b>PCR Based Molecular Diagnostics”,</b>	2008	Bharathidasan University, Trichy-	<b>Coordinator</b>	<b>DBT</b>
<b>Workshop</b>	“Molecular Biological Techniques and DNA Fingerprinting	2007	Bharathidasan University, Trichy-	<b>Co-convenar</b>	<b>DBT</b>
<b>Workshop</b>	“Summer School on Immunotechniques	2006	Bharathidasan University,	<b>Course-Director</b>	<b>DBT</b>

## BOOK PUBLISHED

Title of the Book / Chapter	Publisher	Year	ISBN Number
<b>Nano-Immunodiagnosics. 187-207.</b>	<b>Bionanosciences (Write &amp; Print Publications, New Delhi)</b>	<b>(2015)</b>	1557-7910
Isolation and identification of cyclosporine producing fungi from Western Ghats. 2:256-262	Forest Biodiversity	(2008)	81-85211-77-9

## MEMBERSHIP IN ACADEMIC BODIES

- Treasurer, MKU-Alumni Endowment Fund (2015-2018)
- Member-Research Committee, MKU (2014-2016)
- Member Board of Studies in different Colleges (2013 onwards)
- Member-Flying Squad, MKU (2013-2015)
- Member-Institutional Ethics Committee, Apollo Hospitals, Madurai (2010 onwards).
- Member-Institutional Ethical Committee, Bharathidasan University, Trichy (2008-2010).
- Member- Career & Counseling Cell, Thiagarajar College, Madurai (2004)

## MEMBERSHIP IN PROFESSIONAL BODIES

- New York Academy of Sciences (2001).
- American Association for Advancement of Science (2002).
- Indian Immunology Society (Life Member).
- Indian Society for Histocompatibility & Immunogenetics (Life Member).
- Indian Association of Biomedical Scientists (Life Member).
- Fellow of Society for Sciences, India (Life Member)

## INTELLECTUAL PROPERTY RIGHTS (Patents)

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## ADMINISTRATIVE EXPERIENCE

Role Played	Responsibilities	Period ( Month & Year)
<b>Dty. Controller of Examinations Bharathidasan University, Trichy</b>	nominal list preparation & revaluation	<b>2010-2011</b>
<b>Additional Controller (i/c) (Madurai Kamaraj University</b>	Notification, nominal roll preparation, central valuation & results declaration	<b>Nov, 2014 – March, 2015</b>
<b>Additional Director, Directorate of Distance Education, MKU</b>	Maintenance of DDE e-Portal (2000 e-Books)	<b>May, 2014-Feb 29, 2018</b>
<b>Nodal Officer, Industry</b>	Annual Report	<b>2014 onwards –till date</b>

<b>Consultancy Cell, MKU</b>	preparation & forwarding industry related projects	
<b>Director, Internal Quality Assurance Cell (IQAC)</b>	All activities related to IQAC	<b>October, 2017 onwards</b>
<b>Special Officer, Madurai Kamaraj University,</b>	All files related to Research & Projects, S&F etc.	<b>March, 2018 onwards</b>

## **CONTACT**

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