

Dr. K. BALAMURUGAN
Senior Professor & Head

Contact

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science/school-of-biological-sciences/department-of-

biotechnology

Academic Qualifications

Degree	Institution	Year	Branch	Class
D. Sc.	Alagappa University	2022	Biotechnology	Awarded
Ph. D.	Banaras Hindu University	1996	Zoology	Awarded
PG	Annamalai University	1992	Biochemistry	I class

Teaching Experience: 22 Years

Position	Institution	Duration
Senior Professor and Head	Department of Biotechnology, Alagappa University	Nov 15, 2022- Till Date
Professor and Head	Department of Biotechnology, Alagappa University	June 01, 2022- Nov 15, 2022
Professor	Department of Biotechnology, Alagappa University	Nov 15, 2012- May 31, 2022
Associate Professor	Department of Biotechnology, Alagappa University	Nov 15, 2009- Nov 14, 2012
Reader	Department of Biotechnology, Alagappa University	Nov 15, 2006- Nov 14, 2009

Research Experience: 30 Years

Position	Institution / University	Duration
PDF	Centre For Cellular and Molecular Biology,	Dec 09,1996 To
	Hyderabad	Aug 20, 1998
PDF	Department of Chemistry National Changhua	August 26, 1998 To
	University, Taiwan	March 22, 2001
PDF	Department Of Medicine University of	April 15, 2001 –
	California at Irvine, USA	June 30, 2006
Senior Research Fellow	Indian Council of Agricultural Research (ICAR),	Feb 09,1993 To Dec
	India	03,1996

Academic and Additional Responsibilities

S. No	Position	University Bodies	Period	
			From	To
1.	RUSA Directorate/Co-	Alagappa University, Alagappa	24.11.2022	Till date
	ordinator	Nagar Karaikudi		
2.	Member of Institutional	Alagappa University, Alagappa	01.03.2017	Till date
	Animal Ethical Committee	Nagar Karaikudi		
	(IAEC), Alagappa University	_		
3.	Director of IPR cell,	Alagappa University, Alagappa	09.08.2022	Till date
	Alagappa University	Nagar Karaikudi		
4.	RUSA 2.0 Biological Theme	Alagappa University, Alagappa	Sep 2019	Mar 2023
	Coordinator	Nagar Karaikudi	_	
5.	Member Secretary of	Alagappa University, Alagappa	20.03.2023	Till date
	Institutional Ethical	Nagar Karaikudi		
	Committee (IEC)	_		
6.	Program Coordinator of	Alagappa University, Alagappa	01.06.2022	Till date
	DBT-Sponsored PG	Nagar Karaikudi		

	Biotechnology			
7.	Chief superintendent for examinations	Alagappa University, Karaikudi	November 2018	
8.	Chief superintendent for examinations	Alagappa University, Karaikudi	April 2019	
9.	Expert at Global Investors Meet 2019	Alagappa University, Karaikudi	23.01.2019	24.01.219
10.	Co-ordinator of Incubation and Technology Transfer Centre	Alagappa University, Karaikudi	2015	2016
11.	Co-ordinator of Incubation and Technology Transfer Centre	Alagappa University, Karaikudi	2016	2017
12.	Deputy Co-ordinator of BIF	Department of Biotechnology, Alagappa University, Karaikudi	2008	2020
13.	Special officer for Recruitment cell	Alagappa University, Karaikudi	12.10.2018	11.02.2020

Areas of Research

- Host pathogen-interactions using *C. elegans* as model organism
- Understanding innate immune regulations through functional genomics, proteomics and metabolomics
- Studying the multigenerational adaptation during bacterial infections through multi-OMICS study

Patents Filed

Granted Patents

S.	Name		Inventors	Cou	Publicatio	Filing	Grant	Patent No
No				ntry	n date	Date	Date	
1.	Personal	Care	Prasanth MI,	India	20/10/17	18	03	676/KOL/2015
	Compositions	for	Balamurugan			June	June	337898
	Anti-Aging		K , Pandian			2015	2020	
			SK, Gayathri					
			S, James PB					
2.	An anti-acne		Sivasankar	India	29/09/2017	22	20164	381269
	synergistic		C, Pandian			March	10100	
	composition and		SK and			2016	57	
	process thereof		Balamurugan					
	_		K					

Filed Patents

Filed Patents	1	1	ı	1	1
Name	Inventors	Countr y	Publication date	Filing Date	Patent No
Personal Care Compositions for Anti-Aging	Prasanth MI, Balamuruga n K, Pandian SK, Gayathri S, James PB	India	20/10/2017	18 June 2015	679/KOL/2015
Composition Comprising Green Tea and Naringenin for Anti-Aging	Prasanth MI, Balamuruga n K, Pandian SK, Gayathri	India	20/10/2017	18 June 2015	677/KOL/2015
Personal Care Compositions for Anti-Aging	Prasanth MI, Balamuruga n K, Pandian SK, Gayathri	India	20/10/2017	18 June 2015	680/KOL/2015
Personal Care Compositions for Anti-Aging	Prasanth MI, Pandian SK, Gayathri S, James PB, Balamuruga n K	India	13/10/2017	15 July 2015	766/KOL/2015
Personal Care Compositions for Anti-Aging	Prasanth MI, Pandian SK, Gayathri S, James PB, Balamuruga n K	India	13/10/2017	17 July 2015	779/KOL/2015
An antibacterial composition and implementations thereof	Swetha TK, Pandian SK, Sivasankar C, Balamuruga n K, Veera Ravi A, Bhaskar JP, Venkateswar an K, Deepa M, Das SS	India	13/09/2019	07 March 2018	201831008480
A composition comprising phytochemicals and applications thereof	Swetha TK, Pandian SK, Sivasankar C, Balamuruga n K, Veera Ravi A, Bhaskar JP, Venkateswar an K, Deepa M, Das SS	India	13/09/2019	07 March 2018	201831008481
	Personal Care Compositions for Anti-Aging Composition Comprising Green Tea and Naringenin for Anti-Aging Personal Care Compositions for Anti-Aging Personal Care Compositions for Anti-Aging Personal Care Compositions for Anti-Aging An antibacterial composition and implementations thereof A composition comprising phytochemicals and applications	Personal Care Compositions for Anti-Aging Composition Comprising Green Tea and Naringenin for Anti-Aging Personal Care Compositions for Anti-Aging Prasanth MI, Pandian SK, Gayathri S, James PB, Balamuruga n K Pandian SK, Gayathri S, James PB, Balamuruga n K Pandian SK, Sivasankar C, Balamuruga n K, Veera Ravi A, Bhaskar JP, Venkateswar an K, Deepa M, Das SS Swetha TK, Pandian SK, Sivasankar C, Balamuruga n K, Veera Ravi A, Bhaskar JP, Venkateswar an K, Deepa M, Das SS Neepa M, Das SS	Personal Care Compositions for Anti-Aging Composition Comprising Green Tea and Naringenin for Anti-Aging Personal Care Compositions for Anti-Aging Prasanth MI, Pandian SK, Gayathri S, James PB Personal Care Compositions for Anti-Aging Prasanth MI, Pandian SK, Gayathri S, James PB, Balamuruga n K Pandian SK, Gayathri S, James PB, Balamuruga n K An antibacterial composition and implementations thereof A composition comprising phytochemicals and applications thereof India India	Personal Care Compositions for Anti-Aging Composition (Comprising Green Tea and Naringenin for Anti-Aging Personal Care (Compositions for Anti-Aging Prasanth MI, Pandian SK, Gayathri S, James PB, Balamuruga n K Personal Care (Compositions for Anti-Aging Prasanth MI, Pandian SK, Gayathri S, James PB, Balamuruga n K Personal Care (Compositions for Anti-Aging Prasanth MI, Pandian SK, Gayathri S, James PB, Balamuruga n K Swetha TK, Pandian SK, Sivasankar C, Balamuruga n K, Deepa M, Das SS A composition comprising phytochemicals and applications thereof A composition on thereof Prasanth MI, India 13/10/2017 India 13/10/2017 India 13/10/2017 India 13/10/2017 India 13/10/2017 India 13/10/2017 India 13/10/2019 India 13/10/2017 India 13/10/2017	Name

	aammuisin =	Dandian CV			2019	
	comprising	Pandian SK,			2018	
	phytochemicals	Sivasankar C,				
	and applications	Balamuruga				
	thereof	n K,				
		Veera Ravi				
		A, Bhaskar				
		JP,				
		Venkateswar				
		an K, Deepa				
		M, Das SS				
11.	Antibacterial	Swetha TK,	India	13/09/2019	07 March	201831008483
	composition and	Pandian SK,			2018	
	uses thereof	Sivasankar C,				
		Balamuruga				
		n K,				
		Veera Ravi				
		A, Bhaskar				
		JP,				
		Venkateswar				
		an K, Deepa				
		M, Das SS				
12.	Combination	Muthubharthi	India	24/03/2023		202341021225
12.		B. C.,	IIIuiu	21/03/2023		2023 11021223
	comprising Mukia	· ·				
	maderaspatana	Mounish				
	and Spermidine for	B.S.C.,				
	anti-aging activity	Subalakshmi				
		K. P and				
		Balamuruga				
		n K.				
12	Cambination	-	India	24/02/2022		20224102122
13.	Combination	Muthubharthi	India	24/03/2023		20234102122
	comprising Mukia	B. C.,				
	maderaspatana	Mounish				
	and Nicotinic acid	B.S.C. and				
	for anti-aging	Balamuruga				
	activity	n K.	T **	0.4/0.0/2025		20224102122
14.	Combination	Muthubharthi	India	24/03/2023		202341021222
	comprising Mukia	B. C. and				
	maderaspatana	Balamuruga				
	and Curcumin acid	n K.				
	for anti-aging					
	activity					
15.	Combination	Muthubharthi	India	24/03/2023		202341021223
	comprising Mukia	B. C. and				
	maderaspatana	Balamuruga				
	and β-Carotene for	n K.				
	anti-aging activity					
16.	Combination	Muthubharthi	India	24/03/2023		202341021221
	comprising Mukia	B. C. and				
	maderaspatana	Balamuruga				
	and Quercetin for	n K.				
	anti-aging activity					
-		•	i		•	

Research Supervision/Guidance

Program	of Study	Completed	Ongoing
PDF		01	
Research	Ph.D	15	05
	M.Phil	-	-
Project	PG	70	04
	UG/ Others	12	-

Publications

International		National		Others	
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals	
120	173	04	159	19	

Cumulative Impact Factor (as per JCR) : 362.532(Avg.I.F.3.12)

 h-index
 :
 33

 i10 index
 :
 76

 Total Citations
 :
 2893

Thesis Evaluated : 68
Viva voce Examiner : 47

Funded Research Projects

Ongoing Projects:

		Pe	riod		
S. No	Agency	From	То	Project Title	Budget (Rs. In lakhs)

1.	DOM	26 Dec 2023	25 Dec 2025	Screening of deep ocean microbial metabolites for their anti-infective properties using an <i>in vivo</i> model system, <i>Caenorhabditis elegans</i>	48.74
2.	ITC-AU Collabora tive Project	Jan 2024	June 2024	Identification and Bio-Activity Evaluation of Neem Leaf Markers for Innovative FMCG Product Development	4.77
3.	DST-SERB	20Dec 2021	19 Dec 2024	Impact of specific metabolites during bacterial infection and their role in multigenerational adaptation	39.46

Completed Projects:

		Period			D 1 (
S. No	Agency	From	То	Project Title	Budget (Rs.In lakhs)
1.	RUSA 2.0 EIR	August 2023	Oct 2023	Development / Fabrication of bio-detector for biological sample analysis in microfluidic platform	04.50
2.	ITC-AU Collaborati ve Project	050ct- 2022	04 Oct- 2023	Identification and use of antiviral natural actives using <i>in silico</i> , in vitro and in vivo models	39.60
3.	DBT	June 2017	June 2020	Impact of <i>Cronobacter sakazakii</i> infection on the neuroimmunity	70.24
4.	ITC-AU Collabora Tive Project	Jul 2016	Dec- 2019	C. elegans: An in vivo model for dermal inflammation studies	41.17
5.	UGC Major Research Project	01 April 2013	31 March 2017	Physiological and molecular changes in Caenorhabditis elegans during subsequent bacterial infections	10.85
6.	ITC-AU Collabora tive project	July- 2011	Dec- 2014	Anti-aging: Role of target genes	19.14
7.	DST	Feb-2012	Jan- 2015	Caenorhabditis elegans response against Vibrio spp. infection	20.03

	DST	July-	July-	Characterization of innate	23.30
8.		2011	2014	immune regulators during Shigella spp.	
		Apr-2011	Mar-	Caenorhabditis elegans response to human	
9.	CSIR		2014	pathogens	21.92
	DBT	Mar-2011	Mar-	Studies on Immune regulatory proteins	26.546
10.			2014		
	ICMR	Mar- 2011	Mar-	Analysis of antimicrobial gene	25.23
11.			2014	expression	
				pattern	
	UGC	Apr- 2008	Mar-	Screening of marine bioresources for	11.76
12.			2011	Antibacterial compounds	
		Dec-2007	Dec-	RNA-interference mediated silencing of	
13.	DBT		2010	antimicrobial genes of Caenorhabditis	24.73
				elegans.	

Distinctive Achievements / Awards

- Malaviya Memorial Award for Senior Faculty Award 2022 from The Biotech Research Society, India
- Vallal Alagappar Research Recognition Award-2020- contribution towards the enhancement of Research outcome of the University in the form of "h" index
- Tamil Nadu Scientist Award (TANSA-2020) under the category of Biological Sciences
- Outstanding Researcher Award- 2022 in recognition of the contribution made towards Excellence in Research at Alagappa University
- 2008-DBT-RGYI Young Scientist award project for Young Investigator under 40 Years.
- 2011-DST Young Scientist Award project.
- 2011-DST International Travel award for attending FEMS 2011 Conference held at Geneva, Switzerland during June 26-30, 2011.
- Best Poster Award "AMI-Panjab University" for the poster presentation entitled "Modification of pathogen lipopolysaccharide during the interaction with Caenorhabditis elegans" presented by Vignesh Kumar B and Balamurugan, K, at 52nd Annual Conference of Association of Microbiologists of India (AMI), "International Conference on Microbial Biotechnology for Sustainable Development" during Nov 3-6,2011held at Panjab University, Chandigarh, India.
- Invited ORAL presentation at the 10th Asia Pacific Bioinformatics Conference conducted by LA Trobe University, Melbourne, Australia, 17-19Jan2012.
- Second Best Oral Presentation Award at the 5th International Conference on Natural Products for Health and Beauty (NATPRO5) in Phuket, Thailand, 05-07 May 2014.
- Best Faculty Award- Biotechnology 2013- Senior by Shri PK Das Memorial, Nehru Group of Institutions, Coimbatore.
- Dr. R. R. Mani Maran Memorial Lecture Award on 26 November 2014 by Indian Society for Comparative Endocrinology for the scientific contribution in the field of Host-Pathogen interactions related to Reproduction.

- Adjunct Faculty, National Institute of Pharmaceutical Education and Research (NIPER) Kolkata, since06Dec 2016
- Visiting Professor, Department of Biochemistry and Molecular Biology, Faculty of Agriculture and Life Science, Hirosaki University, Japan, March12, 2018-March 28, 2018.
- Pooranachithra M., Balamurugan K. "Wound Research: Insights from a Mighty Miniature Model, *Caenorhabditis elegans*". Augmenting Writing Skills for Articulating Research (AWSAR) Award 2018 on Feb,28 2019 by Department of Science and Technology (DST), Government of India.
- Subhadra M. and Balamurugan K. "A Tug of War between Diabetes and Obesity –
 Justa Glimpse" Augmenting Writing Skills for Articulating Research (AWSAR)
 Award2020Won the CONSOLATION PRIZE (Ph.D) in the Popular Science by DST,
 GOI.
- Best Poster Award at the "Workshop for Agriculture and Life science study in Hirosaki University 2021 models for Life science studies" organized by Hirosaki University, Japan held during January 23rd-24th, 2021. (Poster no: 05-VirtualConference); presented by Muthubharathi BC and Balamurugan K. on "Understanding the importance of Neuronal system during *Cronobacter sakazakii* Infection in the model host, *Caenorhabditis elegans*.
- Certificate of Appreciation-2021 as Theme Coordinator in Translational Health Research for Human Animal and Plant System in recognition of the contribution made to THEME BASED RESEARCH PROJECT OF RUSA 2.0 towards the quality enhancement in teaching and research by Alagappa University, Karaikudi, Tamil Nadu, India

Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Eventsorganized:11

Position	Programme	Duration	Institution	
Co-Convener &	National level conference on	2022	Department of	
Secretary	Biotechnology and omics		Biotechnology, Alagappa	
	sciences-2022		University, Karaikudi	
Co-organizer	Proteomics day on advances	2022	Department of	
	in proteome analysis		Biotechnology, Alagappa	
			University, Karaikudi	
Co-organizer	Hirosaki agriculture and life	21-22	Faculty of Agriculture and	
	science workshop 2022,	February 2022	life science, Hirosaki	
			University, Aomori, Japan	
Co-organizer	One day virtual seminar on	31 st December	National institute of	
	LC-HRMS in drug design	2021	pharmaceutical education	
	and development		and research -Hajipur	
Co-organizer	Proteomics day on advance	18 th march	Department of	
	in microbial and clinical	2021	Biotechnology, Alagappa	
	proteomics		University, Karaikudi	
Co-organizer	Promoting globalization of	23-24 th	Faculty of Agriculture and	
	the graduate school of	January 2021	life science, Hirosaki	

	agriculture and life science		University, Aomori, Japan
Organizing secretary	International conference	September 09-	Department of
	cum workshop on	13, 2019	Biotechnology, Alagappa
	Caenorhabditis elegans		University, Karaikudi
	based OMICS for future		-
	challenges		
Co-organizer	International conference on	2016	Alagappa University,
	recent trends in biosciences		Karaikudi
Co-organizer	UGC, DBT and DST	27 th February	Department of
	sponsored national seminar	to 01 march,	Biotechnology, Alagappa
	cum workshop on microbial	2013	University, Karaikudi
	diversity and infectomics		
Co-organizer	National workshop on	19-21 st	Department of
	microbial diversity and	January, 2011	Biotechnology, Alagappa
	phylogenetics		University, Karaikudi
Co-organizer	National workshop on	10-12 th march,	Department of
	bioinformatics	2010	Biotechnology, Alagappa
			University, Karaikudi
Co-organizer	National workshop on	05-07 January,	Department of
	genome informatics	2009	Biotechnology, Alagappa
			University, Karaikudi

Events Participated

Number of Conferences/Seminars/Workshops: 202

Overseas Exposure/Visits

S. No	Country	Purpose		
1.	Singapore	International Life Science Institute, South East Asia Region 0n 04 &		
		05 November 2022 to Meet Dr. Geoffry Smith, President, ILSI, SEA,		
		Singapore		
2.	Singapore	21st Worl Congress of Food Science and Technology-Future of Food:		
		Innovation, Sustainability & Health on 31October-03 November 2022		
		to Presented 2 posters		
3.	Japan	Invited ORAL presentation at Department of Biochemistry and		
		Molecular Biology, Faculty of Agriculture and Life Science, Hirosaki		
		University, Japan during 05-08 August 2018		
4.	Malaysia	Invited Lecture at Department of Medical Microbiology and		
	-	Parasitology, Faculty of Medicine and Health Sciences, University		
		Putra, Malaysia during 02-04 August 2018		
5.	Japan	Visiting Professor at Department of Biochemistry and Molecular		
		Biology, Faculty of Agriculture and Life Science, Hirosaki University,		
		Japan during 12-24 March 2018		

6.	Israel	Invited Speed ORAL presentation at 42nd Congress of The Federation of the European Biochemical Societies (FEBS) held at Jerusalem, Israel during 10-14 September 2017
7.	Lisbon,	Invited ORAL presentation at 4th International conference on
	Portugal	Analytical Proteomics 2015 (ICAP 2015) held in Capuchos, Caparica,
		Lisbon, Portugal during 07 -09 September 2015
8.	Phuket,	ORAL presentation at 5th International Conference on Natural
	Thailand	Products for Health and Beauty (NATPRO 5) in Phuket, Thailand during 6 – 8 th May, 2014.
9.	Berlin,	Presented 2 Posters at 23rd European Congress of Clinical
	Germany	Microbiology and Infectious Diseases (ECCMID 2012), Berlin,
		Germany during March 2012
10.	Kiel,	Invited ORAL presentation at Department of Evolutionary Ecology
	Germany	and Genetics, Zoological Institute, Christian-Albrechts-Universität zu
		Kiel, Am Botanischen Garten 1-9, 24118 Kiel Germany on 03 May
		2013
11.	United	Presented a Poster at 22nd European Congress of Clinical
	Kingdom	Microbiology and Infectious Diseases (ECCMID 2012), London,
		United Kingdom during March 31 to April 3, 2012
12.	Melbourne,	Invited ORAL presentation at 10th Asia Pacific Bioinformatics
	Australia	Conference conducted by LA Trobe University, Melbourne, Australia
		during 17-19 January 2012
13.	Geneva,	Presented a Poster at FEMS 2011 Conference, Geneva during 26-30
	Switzerland	June 2011
14.	Long Beach	Post Doctoral Research on Human Water-Soluble Vitamins at
	& Irvine,	Department of Medicine, University of California at Irvine during
	USA	April 15, 2001- November 08,2006
15.	Changhua,	Post Doctoral Research on Anticancer Drug Studies at Department of
	Taiwan	Chemistry, National Changhua University during Aug 26,1998 – Mar 22, 2001

PDF/ Visiting Professor: Abroad

Position	Institution	Duration
Assistant Project Scientist	Department of Medicine University of California	July 01, 2005- Nov
	at Irvine, USA	08,2006
Visiting Professor	Department of Biochemistry and Molecular	12-24 March 2018
	Biology, Faculty of Agriculture and Life	
	Science, Hirosaki University	
Adjunct Professor	National Institute of Pharmaceutical Education	06 Dec 2016- Till
	and Research (NIPER) Kolkata	Date

Adjunct Faculty

Position	Institution	Duration
Adjunct Professor	National Institute of Pharmaceutical Education	06 Dec 2016- Till
	and Research (NIPER) Kolkata	Date

Membership

Professional Bodies

- 1. LIFE MEMBER: Association of Microbiologists of India
- 2. LIFE MEMBER: Society of Biological Chemists, India (SBC)
- 3. LIFE MEMBER: The Biotech Research Society, India (BRSI)
- 4. LIFE MEMBER: Indian Society for Comparative Endocrinology (ISCE)
- 5. LIFE MEMBER: Proteomics Society, India (PSI)
- 6. The Indian Science Congress Association
- 7. American Gastroenterological Association
- 8. European Congress of Clinical Microbiology and Infectious Diseases
- 9. American Society for Microbiology

Advisory Board

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
24.02.2023	Alagappa university, Karaikudi	Review
	C 11	committee
30.03.2023	Alagappa university, Karaikudi	Review
		committee
03.04.2023	Alagappa university, Karaikudi	Research
		Advisory
		committee
13.02.2023	Alagappa University, Karaikudi	Steering
		committee in
		IQAC
15.02.2023-	Alagappa University, Karaikudi	Member
02.03.2023		Examination
		inspection
		squad
07.10.2022	Alagappa University, Karaikudi	Member in
		Inspection
		committee
2022	Alagappa University, Karaikudi	CAS
		screening
		committee

2017-2018-	Alagappa University, Alagappa Nagar	Member -
2019-2020	Karaikudi	Board of
		Studies
2017-2018	Alagappa University, Alagappa Nagar	Member -
2019-2020	Karaikudi	Board of
		Studies
2017-2020	Alagappa University, Alagappa Nagar	Member -
	Karaikudi	Board of
		Studies
2017-2020	Alagappa University, Alagappa Nagar	Member -
	Karaikudi	Board of
		Studies
16.08.2019	Alagappa University, Karaikudi	University
		placement
		cells
16.08.2019	Alagappa University, Karaikudi	University
		Recruitment
		cell
12.12.2019	Alagappa University, Karaikudi	CAS
		screening cum
		evaluation
		committee
30.10.2019-	Alagappa University, Karaikudi	Co-ordinator
31.10.2019		of student's
		induction
		programme
2018	Alagappa University, Karaikudi	Member in
		Patent cell
27.20.2017	Alagappa University, Karaikudi	Member in
		Institutional
		Animal Ethics
		Committee
04.05.2016-	Alagappa University, Alagappa Nagar	Member -
03.05.2016	Karaikudi	Board of
		Studies
02.03.2015-	Alagappa University, Alagappa Nagar	Member -
02.03.2017	Karaikudi	Board of
		Studies
2015-2016	Alagappa University, Karaikudi	University
		IQAC
		Academic
		auditors

Academic Bodies in Other Institutes/Universities

Year/Period	Name of the BoS/Administrative Committee /	Role
	Academic Committee	

06.09.2019-	NIPER, Kolkata	Senate
01.04.2022	NIFER, KOIKata	Member
	Managemeniam Consideration University	
06.08.2021-	Manonmaniam Sundaranar University,	Member - Board of
05.08.2024	Abishekapatti, Tirunelveli	
10.05.2022	3.6 1 'TZ 'TT' '4 3.6 1 '	Studies
18.05.2022-	Madurai Kamaraj University, Madurai	Member -
30.06.2024		Board of
1 2022	V.1. A. 10.1. C.11	Studies
June 2022-	Nehru Arts and Science College	Member -
June2025		Board of
		Studies
01.10.2021-	Bharathidasan University, Tiruchirappalli	Member -
30.09.2024		Board of
		Studies
2023	Thiruvalluvar University	Selection
		committee
21.09.2023	Department of Biotechnology, Madurai Kamaraj	External
	University, Madurai	expert of
		IBSC
2021-2022	Sri Sarada Niketan College for Womer,	Member in
	Amaravathipudur	Inspection
	-	committee
2021-2022	Dr. Umayal Ramanathan College for Women,	Member in
	Karaikudi	Inspection
		committee
2022	Thiruvalluvar University	Selection
	•	committee
16.12.2022	NCERT, New Delhi	Selection
		committee
2018-2020	Karpagam academy of higher education,	Member in
	Coimbatore	Academic
		council
2019-2020	Dr. N. G. P. Arts and Science College, Kalapatti	Member -
	Road, Coimbatore	Board of
	*	Studies
28.20.2019	Madurai Kamaraj University, Madurai	External
		expert
		member in
		Institutional
		Bio-safety
		committee
2019	Madurai Kamaraj University, Madurai	CAS
		screening
		committee
23.03.2019	Department of Studies in Bioscience, Mangalore	Member in
25.05.2017	University, Karnataka	University
	omroibily, imiliatina	Advisory
		Committee
		Committee

2018-2019	Dr. N. G. P. Arts and Science College, Kalapatti	Member -
2010 2019	Road, Coimbatore	Board of
	Roud, Computore	Studies
2017-2018	Vidhyaa Giri College of Arts and Science,	Member in
2017 2010	Puduvayal	Inspection
	i ddu va yar	committee
29.01.2018	Vision Research Foundation, Chennai	Member in
27.01.2010	Vision Research Foundation, Chemia	Inspection
		committee
2018	Mangalore University, Karnataka	Advisory
2010	Mangalore University, Ramataka	committee
01.01.2017-	Lady Doak College, Trichy	Member -
31.12.2018	Lady Doak College, Theriy	Board of
31.12.2010		Studies
2017-2018	Dr. N. G. P. Arts and Science College, Kalapatti	Member -
2017-2016	Road, Coimbatore	Board of
	Road, Combatore	Studies
01.04.2015-	Bharathidasan University, Tiruchirappalli	Member -
31.03.2018	Bharathidasan Oniversity, Thuemrappani	Board of
31.03.2010		Studies
18.03.2016	Madurai Kamaraj University, Madurai	External
10.03.2010	Madural Kamaraj Omversity, Madural	expert
		member in
		Institutional
		Bio-safety
		committee
07.06.2016	Department of Studies in Bioscience, Mangalore	Member in
0710012010	University, Karnataka	University
	- · · · · · · · · · · · · · · · · · · ·	Advisory
		Committee
02.06.2015	Seethalakshmi Achi College for Women, Pallathur	Selection
	E ,	committee
29.05.2015	University Grants Commission	UGC Expert
	·	committee
		for fresh
		induction
19.08.2015	Department of Microbial Biotechnology,	CAS
	Bharathiar University, Coimbatore	screening
		cum
		evaluation
		committee
02.07.2015	Thassim Beevi Abdul Kader College for Womer,	Member in
	Kilakarai	Inspection
		committee
2013-2014	Sethupathy Govt. Arts College, Ramanathapuram	Member in
		Inspection
		committee
2012-2013	Raja Doraisingam Govt. Arts College, Sivagangai	Member in

		Inspection
		committee
2012	K. S. Rangasamy college of Arts and Science,	Member of
	Salem	Board of
		Examination
2010-2012	Dr. G. R Damodaran College of Science, Avanashi	Member -
	road, Coimbatore	Board of
		Studies
01.06.2008-	Manonmaniam Sundaranar University,	Member -
01.06.2011	Abishekapatti, Tirunelveli	Board of
		Studies
2009-2010	Dr. Umayal Ramanathan College for Women,	Member in
	Karaikudi	Inspection
		committee
07.07.2009	Thassim Beevi Abdul Kader College for Womer,	Member in
	Kilakarai	Inspection
		committee
20.04.2009	Dr. Umayal Ramanathan College for Womer,	Member in
	Karaikudi	Inspection
		committee

Ph.D. Thesis Evaluated/Viva-Voce Conducted

1. No. of PhD Thesis evaluated : 24

2. No. of PhD Public Viva Voce Examination conducted : 24

S. No	Position	Name of the Candidate	Venue/Details
1	Indian Examiner and Member of Viva Voce Board	Rahuveer K	Department of Animal sciences, University of Hyderabad
2	Indian Examiner and Member of Viva Voce Board	Neema M	Department of Fishery Microbiology, College of Fisheries, Mangalore
3	Indian Examiner and Member of Viva Voce Board	Rajesh D	VIT University, Vellore
4	Indian Examiner	Rajakumar A	Department of Animal Biology, School of Life Sciences, University of Hyderabad (Report sent on 30/042015)
5	Indian Examiner	Mr. Suresh Govatati	Department of Biochemistry, Osmania University Hyderabad <u>Title of the Thesis</u> : Role of Tumor Suppressor Gene Polymorphisms and Mitochondrial

			Genome Alterations in the Pathophysioloy of Endometriosis; Mentor: Dr. Bhanoori Manjula (Report sent on 25 July 2013)
6	Indian Examiner and Member of Viva Voce Board	Mr. Ondari Nyakundi Erick	Department of Biotechnology, Karpagam University, Coimbatore. <u>Title of the Thesis:</u> Mechanistic characterization of Tridax Procumbens mediated silver nanoparticles as novel nanocides against <i>Anopheles Stephensi</i>
7	Indian Examiner and Member of Viva Voce Board	Gandhimathi K	Department of Genetic Engineering, School of Biotechnology, Madurai Kamaraj University, Madurai 625 021
8	Indian Examiner and Member of Viva Voce Board	Rajiniraja M	VIT University, Vellore Title of the Thesis: Purification and Characterisation of phytochemicals from Allium sativum that inhibit the growth of Mycobacterium tuberculosis H37Ra
9	Member of Viva Voce Board	Raja V	Bharathidasan University, Trichy. Title: In vivo expressed proteins of virulent Leptospira in conclusive diagnosis and DNA vaccination
10	Indian Examiner	Tumu Venkat Reddy	Department of Biochemistry, Osmania University Hyderabad <u>Title of the Thesis:</u> Understanding the role of Mitochondria in the pathophysiology of Polycystic ovary syndrome <u>Mentor</u> : Dr. Bhanoori Manjula (Report sent on 12 Dec 2017)
11	Indian Examiner and Member of Viva Voce Board	Udhayabanu T	Department of Genetic Engineering, School of Biotechnology, Madurai Kamaraj University, Madurai 625 021
12	Member of Viva voce board	Mahalakshmi N	Department of Biotechnology, Bharathidasan University, Trichy (Mentor: Dr. K. Balakrishnan; Prof & Head, Dept of immunology, Maduari Kamaraj University)
13	Indian Examiner and Member of Viva Voce Board	Tamil Selvi A	PG & Research Department of Zoology, Yadava College, Madurai & Madurai Kamaraj University, Madurai 625 021 Guide: Dr. P. Alagesan Principal (i/c), Yadava College, Madurai
14	Member of Viva Voce Board	M. Ganesh Reg. No: 23294	Sustainable production and Biomedical applications of Poly- (3-Hydroxybutyrate) from Bioengineered microorganisms
15	Indian Examiner and Member of Viva Voce Board	Sreeja R. Nair	Molecular alterations in central nervous system in mouse model of Chikunkunya virus neurovirulence

			At RGCB, Tiruvandram
			·
16	Indian Examiner and Member of Viva Voce Board	Sophia J	Nimbolide, a neem limonoid inhibits cell proliferation and cytoprotective autophagy to activate apoptosis via modulation of the PI3K/Akt/GSK-3β signalling axis in oral cancer models [Guide: Dr. S. Nagini; Annamalai University] Report Sent on: 09 April 2019
17	Indian Examiner and Member of Viva voce Board	Jhansi Rani MK	Molecular signature of Human Limbal Epithelial Stem Cells [Guide: Gowri Priya Chidambaranthan, Scientist- Dept. of Immunology & Stem Cell Biology, Aravind Medical Research Foundation, Anna Nagar, Madurai & Madurai Kamaraj University, Madurai 625 021]
18	Indian Examiner	Cleetus C. C.,	'Gene expression profile of selected inflammatory and oxidant-antioxidant genes in dengue using peripheral blood mononuclear cells and their correlation with disease severity' for the award of Doctor of Philosophy (Ph.D.) in Biochemistry in the Department of Biochemistry, JIPMER
19	Member of Viva voce Board	S. Thanga Leela	'Spatial memory associated responses in goldfish <i>Carassius auratus</i> : in relation to sirtuin 1 and serotonin transporter signaling' Department of Animal Science, Bharathidasan University, Trichy
20	Indian Examiner and Member of Viva voce Board	Saniya M Javadekar	Investigating DNA structural basis for fragility during chromosomal translocations associated with human B-cell lymphomas [S.R. No. 10-09-00-10-31-11-1-08925] for Ph.D. degree in the Faculty of Science, Indian Institute of Science, Bangalore
21	Indian Examiner and Member of Viva voce Board	Ms. Chinnu Salim	Insights into the role of high glucose diet in Monocrotophos induced neurodegeneration and associated effects in <i>Caenorhabditis elegans</i> [10BB13J08006] Biological Sciences, CSIR-Central Food Technological Research Institute, Mysuru
22	Indian Examiner and Member of Viva voce Board	J. Krishnaraj; Roll No: 1318030007	Impact of Stainless Steel Welding Fumes on DNA Damage Response in the Respiratory Tract of Sprague- Dawley Rats Guide: Dr. S. Nagini, Annamalai University
23	Indian Examiner	K. Thirumalai Raj Reg. No. F9390	Characterization of genetic and transcriptional alterations in Retinoblastoma. Madurai Kamaraj University & Aravind

			Medical Research Foundation, Madurai
			Studies on the optimization of metabolite
24	Member of Viva voce Board	Sumitha V	production from biodiesel waste-derived crude glycerol. Guide: Dr. M. Sivanandham, Dept. of Biotechnology, Sri Venkateswara College of Engineering, Sriperumbudur, Chennai
25	Indian Examiner and Member of Viva voce Board	A. Sujatha; Roll No: 14PHBTP002	'Characterization, Immobilization and Applications of Extracellular Protease from <i>Bacillus</i> sp. ASASBT isolated from Termite Soil' Avinashilingam Institute for Home Science and Higher Education for Women
26	Indian Examiner	Mr. Pradeep Singh Cheema	Identification and validation of anti-cancer ability of small molecule inhibitors against FoxM1 Guide: Prof. Alo Nag Dept of Biochemistry University of Delhi-South campus, New Delhi
27	Indian Viva voce Examiner	Mr. A.S. Vijayakumar (Reg. No. 17347/Ph.D.K9/ Dir/Biochemistry/ 2117347)	Pharmacological, Anti Urolithiatic and Wound Healing Efficacy of Ethanolic Extracts and Synthesised Silver Nanoparticles from the Justicia gendarussa (Burm) (f.) leaves in Male Albino Rats At Post Graduate & Research Department of Biocehmistry, Govt. Arts College, Kumbakonam Under Bharathidasan University, Trichy Guide: Dr. M. Jeyaraj
28	(International) Indian Examiner and Viva voce examiner	Ms. Pathimah @ Fatimah bt Abdol Latif ID: 2014667564	Bioengineering of Tacca Integrifolia for Production of Secondary Metabolites with Antiproliferative Properties Guide: Asma Awal Faculty of Pharmacy Universiti Teknologi MARA (UiTM), Puncak Alam Campus 42300 Puncak Alam SELANGOR, Malaysia
29	Indian Examiner	Arunabh Sarkar	"Functional Characterization of Protein Quality Control Machinery in Context of Age Associated Neurodegenerative Disease: Employing Transgenic Caenorhabditis elegans" Division of Neuroscience and Ageing Biology, CSIR-Central Drug Research Institute, Lucknow (Through JNU,

			New Delhi)
			Guide: Dr Amir Naseer
		DEEPTASHREE	Deciphering the role of FOXM1 in development and progression of
20	T 1' E '	NANDI	hepatocellular carcinoma
30	Indian Examiner	Ph.D. Reg.No.: SF-	Guide: Prof. Alo Nag
		1/Ph.D./2015/1071	Dept of Biochemistry
			University of Delhi-South campus, New
			Delhi
31	Member of Viva	C. Akino Mercy	'Mitochondrial targeting leptospiral proteins define pathogenic signals and differential miRNA expression'
31	voce Board	(Reg. No. 32642)	Guide: Dr. Natarajaseenivasan Department of Microbiology, Bharathidasan University, Trichy
32	Member of Viva voce Board	Sakthi R (Reg. No. 20355/Ph.D.K9/ Dir/Biochemistry/ 2120355)	Antidiabetic activity in petroleum ether extracts of porridge flakes prepared from pearl millet. Guide: Dr. Jeyaraj M., Assist. Professor, Post Graduate & Research Department of Biochemistry, Govt. Arts and Science College, Kumbakonam

Ph.D. Thesis Guided

S.No	Name of the Scholar	Title of the Thesis	Year of
			Completion
1.	Sivamaruthi. B	Physiological and Immunological Regulations in	2012
	Reg. No. 1696	Caenorhabditis elegans Infected with Salmonella	
		Enterica Serovar typhi and Cronobactor	
		sakazakii	
2.	Durai. S	Investigation of Host-Pathogen Interaction Using	2013
	Reg. No. 1700	Caenorhabditis elegans and In vivo Screening of	
		Anti Infectives from Natural Resources Against	
		Human Pathogens	
3.	Kesika. P	Studies on Pathogenesis and Host Responses	2013
	Reg. No. 1695	During Infection of Caenorhabditis elegans by	
		Shigella spp.	
4.	Jeba Mercy. G	Investigation of Staphylococcal and Proteus	2013
	Reg. No. 0057 – 2008-09	Infections in The Model Organism,	
		Caenorhabditis elegans	
5.	Vigneshkumar. B	Characterization of Antimicrobial Genes and	2014
	Reg. No. 1731	Innate Immunity Using Caenorhabditis elegans	
		and Mammalian System	
6.	KamalaDevi A	Investigation of Host Pathogen Interaction and	2017
	Reg. No. 0206 / 2010-11	Immunomodulation during Klebsiella pneumonia	

		infection in Caenorhabditis elegans	
7.	Prasanth M Iyer 455/2010-11	Unraveling the UV-A mediated photoaging process using model nematode, <i>Caenorhabditis</i>	2017
		elegans	
8.	Prithika U	Investigation of modulation in immune response	2018
	511/2012-13	of Caenorhabditis elegans against	
		Staphylococcus aureus and Proteus mirabilis	
		infections through transcriptomic and proteomic approaches	
9.	Marudhu Pandiyan. S 454/2010-11	Understanding the role of specific immune regulators during <i>Shigella flexneri</i> M90T infection.	2018
10.	Vigneshwari L 562/2012-13	Understanding host-pathogen interactions through proteomic approaches in <i>Caenorhabditis elegans</i>	2018
11.	Dilawar Ahmad Mir 732/2013-14	Understanding role of host and pathogens specific genes during their interactions	2019
12.	Sharika. R 0783/2013-14	Characterization of regulatory immune players and pathways during host-pathogen interactions using <i>in vitro</i> and <i>in vivo</i> models	2019
13.	Balasubramaniam B 1113/2014-15	Impact of post-translational modifications in host system during bacterial infection	2020
14.	PooranaChithra M	Identification and characterization of targets	2021
	1576/2016-17	involved and ability of natural compounds in	
		dermal healing process using model nematode	
1 =	Muthubharathi B C	Caenorhabditis elegans.	2023
15.	R20162036	Metabolomics approach for understanding the host-pathogen interaction in <i>Caenorhabditis</i>	2023
	K20102030	elegans during bacterial infections	
		trooms during outstand infections	

List of Research Articles / Recent Publications

S.	Authors/Title of the paper/Journal	Impact
No		Factor
1.	Thirumugam, G., Radhakrishnan, Y., Bhaskar, J. P., Ramamurthi, S., & Krishnaswamy,	2.9
	B. (2024). <i>Klebsiella aerogenes</i> ingestion elicits behavioral changes and innate immunity	
	in the host, Caenorhabditis elegans. Developmental & Comparative Immunology.	
2.	Gowripriya, T., Afrin, K. M., Paurna, M., Yashwanth, R., Bhaskar, J. P., Suresh, R., &	3.8
	Balamurugan, K . (2024). Regulation of miR-61 and col-19 via TGF-β and Notch	
	signalling in Caenorhabditis elegans against Klebsiella aerogenes infection. Microbial	
	Pathogenesis.	
3.	VenkataKrishna, L. M., Balasubramaniam, B., Sushmitha, T. J., Ravichandiran, V.,	4.212
	&Balamurugan, K. (2024). Cronobacter sakazakii infection implicates multifaceted	
	neuro-immune regulatory pathways of Caenorhabditis elegans. Molecular Omics.	
4.	Muthubharathi, B.C., Ravichandiran, V. and Balamurugan, K (2023). Distinct global	4.212
	metabolomic profile of the model organism Caenorhabditis elegans during the interaction	
	of Staphylococcus aureus and Salmonella enterica Serovar Typhi. Molecular Omics	
5.	GowripriyaT, Yashwanth R, Suresh R, James P B and Balamurugan K. (2023). A	5.07
	systematic review on	

	Impact of SARS-CoV-2 infection. Microbiological Research	
6	Muthubharathi, B.C., Ravichandiran, V. and Balamurugan, K . (2022). <i>Cronobacter</i>	3.441
υ.	sakazakii cue for the attraction and its impact on the immunity of Caenorhabditis elegans.	3.771
	ASM Infection and Immunity.	
7.		4.418
/.	K (2021). Physiological and metabolite alterations associated with neuronal signals of	4.410
	Caenorhabditis elegans during Cronobacter sakazakii infections. ACS Chemical	
	Neuroscience.	0.070
8.	Prithika U and Balamurugan K (2021). Evaluation of changes in <i>C. elegans</i> immune response during bacterial infection: A single nematode approach. <i>Microbes and Infection</i>	2.373
	response during bacterial infection. A single hematode approach. witeroves and injection	
9.	Mir D A, Balasubramaniam B, VenkataKrishna L, Muthubharathi B C, and Balamurugan	4.481
	K (2021). Proteomic analysis of Caenorhabditis elegans against Salmonella Typhi toxic	
	proteins. Genes and Immunity	
10	Pooranachithra, M., Suruthi, K., Prabhanand, B. J., Deepa, M., Sekhar, D. S.,	2.914
	Venkateswaran, K.,Rahul, G., Ravichandiran V., Balamurugan, K. (2021) Survival upon	
	Staphylococcus aureus mediated wound infection in Caenorhabditis elegans and the	
	mechanism entailed. Microbial Pathogenesis	
11	Pooranachithra M, SatheeshKumar C, Bhaskar JP, Venkateswaran K, Ravichandiran V,	3.509
	BalamuruganK (2021) Proteomic analysis of Caenorhabditis elegans wound model	
	reveals novel molecular players involved in repair. Journal of Proteomics	
12	Muthubharathi B C, Gowripriya T. and Balamurugan K (2021). Metabolomics- The small	2.273
- 11	molecules matter more. Molecular Omics	2,2,6
13	Balasubramaniam, B., Gowripriya T., and Balamurugan K (2020). Identification of	
1,	differentially regulated proteins of Caenorhabditis elegans during Salmonella enterica	
	Serovar Typhi exposure using Mass Spectrometry. <i>Journal of Proteins and Proteomics</i> .	
14	Dilawar A M and Balamurugan K (2020). Modulation of the host cell mitochondrial	2.581
1-	proteome by PemKSa toxin protein exposure. Microbial Pathogenesis	2.301
14	Prasanth MI, Gayathri S, Bhaskar JP, Krishnan V, Balamurugan K (2020).	4.067
1,	Understanding the role of p38 and JNK mediated MAPK pathway in response to UV-A	4.007
	induced photoaging in Caenorhabditiselegans. J Photochem Photobiol	
1/	Balasubramaniam, B., VenkataKrishna, L.M., Vinitha, T., JebaMercy, G., and	4.784
10	Balamurugan, K (2020). Salmonella enterica Serovar Typhi exposure elicits deliberate	4.704
	physiological alterations and triggers the involvement of ubiquitin mediated proteolysis	
11	pathway in <i>Caenorhabditis elegans</i> . <i>International Journal of Biological Macromolecules</i> Prasanth MI, Gayathri S, Bhaskar J P, Krishnan V and Balamurugan K (2020). Analyzing	2 220
1.		2.338
	the individual and synergistic effects of antioxidants in combating aging and photoaging	
- 4	using model nematode, <i>Caenorhabditis elegans</i> . Photochemistry and Photobiology	2.047
18	Dilawar AM and BalamuruganK (2019). In vitro and in vivo efficacy of Caenorhabditis	2.847
	elegans recombinant antimicrobial peptide against Gram-negative bacteria. Biofouling.	0.20
19	Rai P, Sharika R, Ganguli A, Balamurugan K , Sarala B, Sharma R, Gupta R, Neogi S B	0.396
	(2019). Indigenous preparations of Bryonia laciniosa, Quercus infectoria, Putranjiva	
	roxburghii and Mesuaferrea induces developmental toxicity in C. elegans. Proceedings of	
	the National Academy of Sciences, India Section Biological Sciences	
20	Pooranachithra M, Bhaskar JP, Murali D, Das SS, JebaMercy G, Krishnan V,	3.448
	Balamurugan K . (2019). Unravelling the wound healing ability and mode of action of	
	pyridine carboxamide oxime using Caenorhabditis elegans as potential prescreen	
	woundmodel. Life Sciences	
21	<u> </u>	4.784
	Balamurugan K (2019). Analysis of Caenorhabditis elegans phosphoproteome reveals	
	the involvement of a molecular chaperone, HSP-90 protein during Salmonella enterica	
	Serovar Typhi infection. International Journal of Biological Macromolecules	

22	Dilawar AM and Balamurugan K (2019). A Proteomic analysis of <i>Caenorhabditis elegans</i> mitochondria during bacterial infection. Mitochondrion.	3.449
	Dilawar AM and Balamurugan K . (2019). Global proteomic response of <i>Caenorhabditis elegans</i> against PemKSa toxin. Frontiers in Cellular and Infection Microbiology, section Bacteria and Host	3.518
24	Kalaiyarasan G, Veerapandian M, JebaMercy G, Balamurugan K , Joseph J (2019). Amygdalin-Functionalized Carbon Quantum Dots for Probing β Glucosidase Activity for Cancer Diagnosis and Therapeutics. ACS Biomaterials Science & Engineering 2019	4.432
25	Pandey G, Marimuthu M, Kanagavalli P, Ravichandiran V, Balamurugan K , Veerapandian M (2019). Chitosanylated MoO3-Ruthenium (II) Nanocomposite as Biocompatible Probe for Bioimaging and Herbaceutical Detection. ACS Biomaterials Science & Engineering.	4.432
	PrasanthMI, Venkatesh D, Murali D, Bhaskar JP, Krishnan V and Balamurugan K (2019). Understanding the role of DAF-16 mediated pathway in <i>Caenorhabditis elegans</i> during UV-A mediated photoaging process. <i>Archives of Gerontology and Geriatrics</i>	2.241
27	Mohana M, PraveenKumar B, Mariya Salomi L, Murugan V and Balamurugan K (2018). Methylene Blue-Fortified Molybdenum Trioxide Nanoparticles: Harnessing Radical Scavenging Property. ACS Applied Materials & Interfaces	8.097
28	Sharika R, Subbiah P and Balamurugan K . (2018). Studies on reproductive stress caused by candidate Gram positive and Gram negative bacteria using model organism, <i>Caenorhabditis elegans</i> . Gene	2.415
29	Kavitha S, Pooranachithra M, Balamurugan K and Goel G (2018) Probiotic mediated colonization resistance against <i>E. coli</i> infection in experimentally challenged <i>C. elegans</i> . Microbial Pathogenesis.	2.332
30	Kamaladevi A, Marudhupandiyan S and Balamurugan K (2017). Model system based proteomics to understand the host response during bacterial infections. Molecular BioSystems	2.781
31	Vigneshwari L and Balamurugan , K . Involvement of O-GlcNAcylation in <i>Caenorhabditis elegans</i> during pathogenic infection. FEBS Journal.	4.237
	Kamaladevi A and Balamurugan K (2017). Global proteomics revealed <i>Klebsiella pneumoniae</i> induced autophagy and oxidative stress in <i>Caenorhabditis elegans</i> by inhibiting PI3K/AKT/mTOR pathway during infection. Frontiers in Cellular and Infection Microbiology.	4.3
33	Marudhupandiyan S, Prithika U, Balasubramaniam B and Balamurugan K (2017). RACK-1, a multifaceted regulator is required for <i>C. elegans</i> innate immunity against <i>S. flexneri</i> M9OT infection. Developmental and Comparative Immunology.	3.62
34	Dhanashree, Sharika R, Balamurugan K and Rajagopal K (2017). Bifidshape is intrinsic to <i>Bifidobacterium adolescentis</i> . Front.Microbiol.	4.165

Resource persons in various Capacities

National Conferences : 26

International Conferences : 6

Invited Lectures : 102