

# School of Biological Sciences

Madurai Kamaraj University, Madurai



The School of Biological Sciences, Madurai Kamaraj University, had a humble beginning in the early 60's as the PG extension centre of the Zoology Department of the University of Madras at Madurai. The man in command was Prof. S. Krishnaswamy, popularly known as SK. He was a dreamer and a visionary. At that time, perhaps even now, when the teaching of life sciences was compartmentalized into Botany, Zoology, Microbiology etc. He conceived the idea of teaching Biology as an integrated discipline. As per Prof. SK's vision Botany, Zoology etc., was nothing more than different ways of looking at the same thing namely, the living state. He felt that the totality of the living state was more important than studying animals or plants in isolation. When the PG extension centre became the Madurai University (later Madurai Kamaraj) in 1966, SK instituted the Department of Biological Sciences, the first integrated Department in the country. Just a decade later, the Department of Biological Sciences was elevated to School of Biological Sciences (SBS) on the recommendation of the UGC's Expert Committee.

It is noteworthy to mention that our School has produced **Four - Bhatnagar awardees, Ten - Vice-Chancellors, Seven - TANSA awardees, Many Fellows of National and International Science Academies** and **Members in various National level Expert Committees**

Our School has significantly contributed in the Life Sciences area during the last 5 years, published **303 research articles (82 publications have impact factor >2) and 61 students have been trained to obtain their Ph.D., degree and 135 students are pursuing Ph. D., degree.**

**The School Consists of the following Eight Departments**

1. Animal Behaviour & Physiology
2. Biochemistry
3. Genetics
4. Immunology
5. Microbial Technology
6. Molecular Biology
7. Plant Sciences
8. Plant Morphology & Algalogy

## Recognitions for School of Biological Sciences

- UGC-DSA Phase I, II & III and COSIST I & II, (1979 – 1999)
- UGC-CAS in Organismal & Functional Genomics, (Phase I, II & III) (2000-2017)
- UGC-Centre for Excellence in Genomic Sciences, (Phase I & II) (2002-2013)
- UGC-Networking Resource Centre in Biological Sciences, (Phase I & II) (2008-2022)
- DBT -Interdisciplinary Programme in Life Science for Advanced Research & Education (2010-2017)
- DST- FIST Programme (cycle I, II & III) (2002-2022)

## Faculty Members of the School of Biological Sciences

### Name of the Department

### Faculty Name and Designation

Chairperson

**Dr. M. Hussain Munavar**

Animal Behaviour and Physiology

**Dr. R. Sankar**, Assistant Professor & Head i/c

**Dr. C. Amutha**, Assistant Professor

**Dr. K. Jayakumar**, Assistant Professor

Biochemistry  
Genetics

**Dr. G. S. Selvam**, Professor & Head

**Dr. G. Kumaresan**, Associate Professor & Head

Immunology

**Dr. J. Rajendhran**, Assistant Professor

**Dr. K. Balakrishnan**, Associate Professor & Head

Microbial Technology

**Dr. M. Jayalakshmi**, Assistant Professor

**Dr. M. Murugan**, Assistant Professor & Head i/c

Molecular Biology

**Dr. V. Shanmugaiah**, Assistant Professor

**Dr. M. Hussain Munavar**, Professor & Head

Plant Morphology and Algalogy  
Plant Sciences

**Dr. U. Ramesh**, Assistant Professor

**Dr. S. Ramasamy**, Assistant Professor

**Dr. S. Kathiresan**, Assistant Professor

**Dr. S. Chandrasekaran**, Head

**Dr. S. Chandrasekaran**, Associate Professor

## Department of Animal Behaviour and Physiology

### **Dr. R. Sankar**

Assistant Professor & Head (i/c)

Dept. of Animal Behaviour & Physiology

Mobile: +91 8098563344

Email : [shankarphd@yahoo.co.in](mailto:shankarphd@yahoo.co.in)

### Area of Research

- Pheromones and Reproductive Behaviour of Mammals
- Behavioural ecology



## Dr. K. Jayakumar

Assistant Professor  
Dept. of Animal Behaviour and Physiology  
Mobile: +91 9865819728; 9487259728  
Email: [skjkumar@hotmail.com](mailto:skjkumar@hotmail.com); [kjkkumar@yahoo.com](mailto:kjkkumar@yahoo.com)



### Area of Research

- Embryonic stem cell biology.
- Novel drugs of therapeutic value from marine organisms.

## Dr. C. Amutha

Assistant Professor  
Dept. of Animal Behaviour and Physiology  
Mobile : +91 9942551479  
Email : [amthaji@gmail.com](mailto:amthaji@gmail.com)  
[amuthaji@yahoo.co.in](mailto:amuthaji@yahoo.co.in)



### Area of Research

- Xenobiotics detoxification and endocrine disruption.

## Department of Biochemistry

## Dr. G. S. Selvam

Professor & Head  
Dept. of Biochemistry  
Phone No : 0452 2458213; 2458223  
Email : [drsolvamgsbiochem@yahoo.com](mailto:drsolvamgsbiochem@yahoo.com)



### Area of Research

- Cardiac isoform of Alpha 2 macroglobulin (CA2M), as a novel diagnostic marker for cardiac diseases.
- Cardiac isoform of alpha 2 macroglobulin ; a new biomarker for myocardial infarcted diabetic patients.

## Department of Genetics

## Dr. G. Kumaresan

Associate Professor & Head  
Dept. of Genetics  
Phone (Off) : +91 452 2456224  
(Lab) : +91 452 2456433; 2456637  
Email : [kumar@oncocellomics.org](mailto:kumar@oncocellomics.org),  
[kumar@oncogenomics.in](mailto:kumar@oncogenomics.in)



### Area of research

- Cancer Genetics & Genomics, Cancer Biomarker Discovery
- Drug Discovery Assay Development, Cancer Therapeutics

## Dr. J. Rajendhran

Assistant Professor  
Dept. of Genetics  
Phone: +91 452 2456420  
Email : [jrajendhran@gmail.com](mailto:jrajendhran@gmail.com)

### Area of Research

- Human Microbiomics and Cardiovascular Diseases
- Role microbiome in the development of immune system



## Department of Immunology

## Dr. K. Balakrishnan

Associate Professor & Head  
Dept. of Immunology  
Phone (Off): +91 452 2458269,  
Email: [immunobala@rediffmail.com](mailto:immunobala@rediffmail.com)

### Area of Research

- Immunogenetics



## Dr. M. Jayalakshmi

Assistant Professor  
Dept. of Immunology  
Mobile : +91 9865326996  
Email : [jayalakshmimk11@gmail.com](mailto:jayalakshmimk11@gmail.com)

### Area of Research

- Immunology of Infectious and Auto immune Diseases
- Pathogen Diversity



## Department of Microbial Technology

## Dr. M. Murugan

Assistant Professor & Head (i/c)  
Dept. Microbial Technology  
Mobile: +91 90032 06934  
Email: [murubio2001@yahoo.com](mailto:murubio2001@yahoo.com)

### Area of Research

- Fungal Biotechnology
- Molecular plant Virology



## Dr. V. Shanmugaiah

Assistant Professor  
Dept. of Microbial Technology  
Mobile: +91 9597414347  
Email: [vshanmugaiah@yahoo.co.in](mailto:vshanmugaiah@yahoo.co.in)

### Area of Research

- Purification and Characterization of Secondary Metabolites from diverse rhizosphere of Bacteria, Fungi and Medicinal plants.



## Department of Molecular Biology

### Dr. M. Hussain Munavar

Professor & Head  
Dept. of Molecular Biology  
Phone: +91 452 2458210 and 2458212  
Email: munavar61@gmail.com



#### Area of Research

- Genetics/Molecular Biology of Transcription control and DNA Repair in *Escherichia coli*
- Genetic Regulation by and of Proteases in *Escherichia coli*

### Dr. U. Ramesh

Assistant Professor  
Dept. of Molecular Biology  
Phone : +91 9629354788  
Email : urameshmku@gmail.com



#### Area of Research

- Bioactivity and bioefficacy of Glucosamines in fish
- Fish Nutrition

### Dr. S. Ramasamy

Assistant Professor  
Dept. of Molecular Biology  
Phone : +91 88705 42950  
Email : subbiahr@nrbsmku.org



#### Area of Research

- Molecular Cardiology
- Environmental Cardiology

### Dr. S. Kathiresan

Assistant Professor  
Dept. of Molecular Biology  
Phone: +91 452 2458210  
Email: kskathir@gmail.com



#### Area of Research

- Plant Molecular Biology
- Micro-Algal Biotechnology

## Departments of Plant Morphology and Algology & Plant Sciences

### Dr. S. Chandrasekaran

Head, Dept. of Plant Morphology and Algology  
Associate Professor of Plant Sciences  
Phone: +91 9442059666  
Email: invasionecology@gmail.com



#### Area of Research

- Marine Ecology and Impacts of Biological Invasions
- Quantification of Ecosystem Services

## Programmes Offered by School of Biological Sciences

**M. Sc. Genomics:** SBS is offering M. Sc. Genomics Programme since 2002 under the auspices of the UGC-Centre of Potential for Excellence in Genomic Sciences. Students with high academic standards were selected through National Level entrance test conducted by the University and it is followed by group discussion. The course was offered under Choice Based Credit System (CBCS) according to UGC recommendation. **To have national representation, 40% of the seats are reserved for students other than Tamilnadu and the remaining 60% seats are filled following Tamilnadu reservation policy.** A maximum of 20 students were admitted to this course every year.

**Eligibility:** A Bachelor's degree in any branch of Life Sciences (Botany, Zoology, Microbiology, Biochemistry, Biotechnology, Genetics or equivalent), Physical and Chemical Sciences (Physics and Chemistry), Medicine, Veterinary and Agriculture from any recognized Indian or Foreign University, with 55% marks or equivalent are eligible to apply. Students with B.Tech. Degrees in Biotechnology, Computer Science, Information Technology and Bioinformatics with Biology at +2 level are also eligible.

**M. Sc. Microbiology (Self Supported) :** M. Sc. Microbial Gene Technology, a self-supported course, was offered since 1998 by the Department of Microbial Technology. Students were selected through National level entrance test and subsequent Group Discussion. A maximum of 15 students is admitted to this course each year. From the academic year 2017, the above course was renamed as "Microbiology".

**Eligibility:** A Bachelor's degree in science courses– Botany, Zoology, Microbiology, Microbial Technology, Biochemistry, Biotechnology, Genetics, and etc- is either a Major or an Ancillary subject. Students from professional courses such as MBBS., H.VSc., B.D.S, B.Pharm., B.Sc. (Agriculture) and related subjects from a recognized Indian or Foreign University are also eligible.

**M.Sc. Biochemistry (Self supported):** M. Sc. Biochemical Technology, a self-supported course, is offered since 2000 by the Department of Biochemistry. Students are selected through National level entrance test and subsequent Group Discussion. A maximum of 15 students are admitted to this course each year. From the academic year 2017 the above course was renamed as "Biochemistry" These students are also well placed in various Universities and Institutions.

**Eligibility:** A pass in B.Sc. degree in Biochemistry/Biotechnology/Genetics/Nutrition and Dietetics/ Microbiology/ Biology/ Botany/ Zoology/ Chemistry / Medical Laboratory Technology/Triple major with Biochemistry and allied subjects.

**M.Phil. Botany:** M.Phil (Botany), a University Supported Course is offered since 2013 by Dept. of Plant Sciences

**Doctoral Programmes Offered by School of Biological Sciences:** Each department offers PhD Programme in its field of specialization. They include Animal Behaviour, Chronobiology, Endocrinology, Marine Science, Aquaculture, Biochemistry, Cardiac Hypertrophy, Microbiology, Metagenomics, Cancer Biology, Genetics, Molecular Biology, Immunology, Plant Tissue Culture, Plant Biotechnology and Forest Ecology, Medical Biochemistry, Molecular Diagnostics and Therapeutics, Nano Drug Delivery, Immunogenetics, Plant *in vitro* Biology, Plant-Microbes Interactions, Plant Invasion Ecology, Marine Genomics

**Placements:** It is worth mentioning that the outgoing students of M. Sc., Genomics programme are highly successful in finding the right opportunities. 90% of the M. Sc., Genomics students, pursues

their higher education through Ph. D. Out of these, 30% of students go abroad for Ph. D. and the remaining get into the good institutes in India for higher studies.

## Infrastructural Facilities

**Class Room:** Two class rooms available (each 625 sq.ft) for M. Sc. Genomics course with Smart Class Room Facility (with Internet, Interactive board facility, video conferencing etc.).

**Common Instrumentation facility & Training Lab:** Three common instrumentation facilities & Five sophisticated instrumentation facilities are available for PG & Research students. The state of the art lab facility was equipped with modern sophisticated instruments for research in biological sciences.

**Seminar Hall:** Four sophisticated Seminar Halls to accommodate (SK Hall – 50 Participants; CVR Hall-125 participants, AG Hall – 100 participants & NRCBS Lecture Hall – 60 participants) participants/visitors with all modern audio and video facility like LCD projector, speakers, video conferencing facility, white board and computer with internet facility etc. were established.

**Library:** The existing library was upgraded with basic infrastructure and scientific contents by subscribing recent books and journals (print and online version) of leading publishers. We also provide e-publications to the visitors through UGC-INFLIBNET.

**Cell Culture Lab:** Animal cell culture lab facility was established with Biological safety Level II (BSL-II) standard as per the guidelines and regulations of institutional biosafety committee.

**Bioinformatics/Computational Lab:** Two dedicated servers (Sun Server & HP Quad Core Blade Server) and more than 200 computers, work stations etc. are available in our School for the use PG students and Research students. In addition four dedicated computer lab facilities (each 625 sq.ft) are available with 24 hrs internet facility (Wi-Fi facility to all PG & Research students). A dedicated Bioinformatics lab was established with twenty high end work stations connected with the Unix/Linux servers through local internet. The main objectives of the computational lab is to train with computational aspects of genomics and proteomics.

**Class Room**



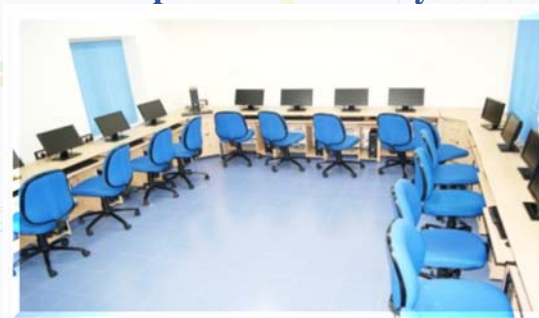
**Library**



**Laboratory**



**Computer Laboratory**



## Major Infrastructure Facilities created in the School of Biological Sciences

Item	Company & Model	Year of establishment	Price in Lakhs	Sponsoring Agency
Micro Array facility	M/s. Affymetrix, Singapore	2010	50.00/-	UGC (GEGS Phase II)
Flowcytometer facility	M/s. Becton Dickinson Pte Ltd., Singapore FACS Aria III	2011	150.00/-	DST-FIST
Sequencer Facility 1. Ion-Torrent – Next Generation Sequencer 2. ABI 8capillary Genetic Analyser	M/s. Life Technologies Pte Ltd., Singapore	2012	80.00/-	UGC -BSR NRCBS
LC-MS/MS Facility Model: Xevo G2 Qtof with NanoAcquity UPLC	M/s. Waters Ges.m.bH, Austria	2012	230.00/-	DBT IPLS Programme
High Content Imaging / screening System	M/s. Perkin Elmer Singapore Pte Ltd., Model: Operetta	2012	110.00/-	DBT IPLS Programme

**LC-MS/MS**



**Flow Cytometry**



**High Content Screening**



**Next Generation Sequencer**





## UGC-Networking Resource Centre in Biological Sciences



**Networking Resource Centre  
in Biological Sciences**



**NRCBS Research  
Trainees Hostel**

UGC-NRCBS at MKU is serving as the resource centre for collaborative research and training for faculty, scientists and research students of other Universities, Colleges and Institutions, with state of the art infrastructural facilities. UGC has sanctioned Rupees 10 Crores to implement the activities of UGC-Networking Resource Centre in Biological Sciences (UGC-NRCBS) at School of Biological Sciences, Madurai Kamaraj University. The centre was officially commissioned on 10-10-2008 at School of Biological Sciences, Madurai Kamaraj University. **The above programme has been further extended and UGC has sanctioned another Rs.10 Crores as NRCBS-Phase II for next five years (2017-2022).**

The major activities of the Networking Centre are: Research, training and skills development of the faculty and research scholars through periodic discussion, workshop and summer/winter schools, Capacity building by adopting faculty and departments for augmenting their research skills and to mentor them, hosting and facilitating researcher from other Institutes/Universities to carryout keys experiments, Augmentation of information resource facility of the department to provide quality research information to other Institutes/researchers and to enhance and build state of the art in-house research infrastructure and other research facilities in the department.

### **NRCBS Research Trainees Hostel:**

UGC, New Delhi has sanctioned Rs. 2.0 Crores as additional grant to establish a State-of-the-Art NRCBS Research Trainees Hostel facility for research trainees hailing from different parts of our country. Hostel facility 10,000 sq. ft (Two floors of 5,000 sq. ft each) was constructed close to NRCBS, surrounded by lavish space for garden and at the backdrop of the hostel is the panoramic Nagamalai with greenery. The hostel houses 24 rooms (double occupancy) and other facilities like conference hall, library with internet facility to meet the needs of research trainees.

## Honors and Awards

- Dr. S. KRISHNASWAMY** : Vice Chancellor – Twice, Madurai Kamaraj University, Fellow of various National Academies.
- Dr. A. GNANAM** :Vice Chancellor – Thrice, Barathidasan, Madras & Pondicherry Universities, NAAC – Chairman, Fellow of various National Academies
- Dr. VR. MUTHUKARUPPAN** :Vice Chancellor, Barathidasan University, Fellow of various National Academies
- Dr. M. K. CHANDRASEKARAN** :Shanti SwarupBhatnagar Award for Biological Sciences, TWAS award, Fellow of various National Academies
- Dr. G. S. VENKATARAMAN** :Padma Sri award – 1992
- Dr. M. LAKSHMANAN** :Vice Chancellor, Madurai Kamaraj University
- Dr. R. JAYARAMAN** :Shanti SwarupBhatnagar Award for Biological Sciences, 1982, UGC National Fellow 1985 – 1987, Elected to the Fellowship of the Indian Academy of Sciences (F.A.Sc) –1989, and Indian National Science Academy (F.N.A.) – 1993, J.C.Ray Endowment Medal, IICB (CSIR), Calcutta1997, Dr.S. Radhakrishnan Award, Government of Tamilnadu (1993 – 1994), Prof. G.N. Ramachandran 60th Birthday Commemoration Medal and Award, INSA, 1997
- Dr. T. J. PANDIAN** :Hooker Award (1978), Bhatnagar Award (1984),Naga Award (1991), Bahl Memorial Gold Medal (1994), National Professorship (1996-2002), Tamil Nadu Scientist Award (1997), TWAS award
- Dr. G. SHANMUGAM** :Fellow of various National Academies
- Dr. C. RAJAMANICKAM** :TANSA Award
- Dr. S. MATHAVAN** :Fellow of various National Academies
- Dr. S. SHANMUGASUNDARAM** : i) Life time achievement Award (2009) by the Association of Applied Microbiologist of India ii) DAAD Fellow, FRG (1980-82)
- Dr. RM. PITCHAPPAN** :Outstanding Young person award Oct., 1985 Jaycees of Tamil Nadu,"Lancet's Investigator Award" 1995, Visiting Scientist to the laboratory of Director Prof. J. Dausset, Nobel Laureate, 1980.Member, International Advisory Committee,7th Asia-Oceania Histocompatibility workshop, Karuizawa, Japan. 2003 Sept 17-19, International Collaborative Research Grants: Commissiion of European Communities, The Wellcome Trust Centre, London, UK; INSERM(France)-ICMR Grant on TB, H.M.BhatiaMemoraial Oration Award – 2003 – IIH-ICMR, Mumbai, Elected Fellow of Indian Academy of Sciences, Bangalore, India' 2002, Elected Fellow of 'National Academy of Medical Sciences, New Delhi, India' 2002.
- Dr. KAILASH PALIWAL** :Fellow of National Institute Of Ecology, Fellow of The National Academy of Sciences, India., Co-ordinator, International Union of Forestry Organization, 2002-2007,Syndicate Member of Madurai Kamaraj University, nominated by His Excellency the Governor-Chancellor of Tamil Nadu.
- Dr. G. MARIMUTHU** :Fellow, Indian National Science Academy, Fellow, Indian Academy of Sciences, Fellow, National Science Academy, India, Tamil Nadu Scientists Award, Chandrakala Hora Medal, Spallanzani Award
- Dr. P. GUNASEKARAN** :Vice Chancellor, Thiruvalluvar University, 2012-2015,Alagappa Centenary Excellence Award for Pure and Applied Sciences -2010

Fellow of Tamil Nadu Academy of Sciences (FTNAS) – 2010, President 2009, Association of Microbiologists of India – 2009, 76<sup>th</sup> Indian Science Congress-Madurai Kamaraj University Eminent Scientist Award (Natural Sciences) – 2009, International Editor, Journal of Microbiology and Biotechnology – 2009, Life Time Achievement Award, Indian Association of Applied Microbiologists – 2009. Fellow of the National Academy of Biological Sciences (FNABS) – 2008, American Society of Microbiology (ASM) International Professorship – 2007, AMI-Prof.S.R.Vyas Award, Association of Microbiologists of India – 2006, Fellow of Association of Microbiologists of India (FAMI) – 2006, Outstanding Service Award - International Board of the American Society for Microbiology (ASM) – 2011, President, Biotech Research Society of India – 2011-2013, 2013-2015, Fellow of Biotechnology Research Society of India (FBRSI) – 2004, Tamil Nadu Scientist Award (TANSA) – 1999, Louis Pasteur Award, Association of Microbiologists of India – 1998, Invited Professor and Divisional Chair, 1995(Jan)-1997(Jan) Department of Biotechnology, Division of Biological and Health Sciences, Universidad Autonoma Metropolitana, México, “Prof. Alfredo Sánchez Marroquin” Cátedra Divisional in Biotechnology at Universidad Autonoma Metropolitana- Iztapalapa, México and Patrimonial excelencia Nivel II fellowship from CONACyT, México during 1995-96. Universidad Autonoma Metropolitana, México, Invited Professor 1994 (April-July), Faculty of Sciences at Luminy, University of Provence, Marseilles, France. J.V. Bhat Memorial Award, Association of Microbiologists of India - 1992. : Recipient of KOFEST & KOSET Fellowship, Govt. of Korea (97-99). : Alexander Von Humboldt Fellow ship, Fellow of National Institute of Ecology.

**Dr. K. MANOHARAN**

**Dr. P. SUDHAKARSWAMY**

**Dr. SUGUNA**

**SHANMUGASUNDARAM**

**Dr. M. HUSSAIN MUNAVAR**

: Innovative Practices and Experiments in Higher Education 2008 Award, Madurai Kamaraj University

: Received the Award of Honour of 25 Years of Service at MKU, Recipient of S.N. and S. Pradhan Biomedical PDF [FAES] NIH, NCI, USA, Visiting Fellow, NCI, NIH, USA, Courtesy Associate, NCI, NIH, USA, Received “Best Alumnus Award” for significant contribution to higher education by Jamal Mohamed College, Trichy.

**Dr. G. S. SELVAM**

**Dr. K. BALAKRISHNAN**

: DBT-Overseas Fellowship (1995) & DBT National Fellowship

: Robert Cochrane Overseas Travel Fellowship from Royal Society of Tropical Medicine and Hygiene, London, UK - 1996.

**Dr. G. KUMARESAN**

: VC nominated Special Officer (Twice) of MKU, Post Doctoral Fellow, National Cancer Centre, Singapore & M.D. Anderson Cancer Center, USA

**Dr. S. CHANDRASEKARAN**

**Dr. M. JAYALAKSHMI**

: VC nominated Special Officer of MKU

: Innovative Teacher Award 2009-2010, MKU, Raman Post-Doctoral Fellowship awarded by UGC, 2015 -2017 at Immunogenetics and Transplantation Laboratory, Department of Surgery, UCSF, CA, USA

**Dr. U. RAMESH**

**Dr. S. RAMASAMY**

**Dr S. KATHIRESAN**

: SERB Young Scientist Award 2013

: UGC-RAMAN Fellowship for Post-Doctoral work in USA (2015-16)

: DST- (SERB) Young Scientist Award - 2012

**Dr. J. RAJENDHRAN**

:SBS-MKU Genomics Award - Biotech Research Society, India (BRSI) – 2014, UGC-Raman Fellowship for Post-Doctoral Research in USA – 2013, Young Scientist Award - AMI – 2007.

## Major Events

### The School has organized many International and National conferences.

International Conference on Biomembranes (Prof.J. Jayaraman); Indo-Russian Conference (Prof. C. Rajamanickam), WHO Conference and International Training Programme (Prof.Kunthala Jayaraman), BASF Conference (Prof.A. Gnanam), International Conference on Genomic Sciences & Indo-Italian workshop on Industrial and Pharmaceutical Biotechnology (Prof.P. Gunasekaran)

76<sup>th</sup> Indian Science Congress 1989, graced by Late Rajiv Gandhi, then Prime Minister and Late Dr. K.R. Narayanan, then Minister of State for Science & Technology (Prof. T.J. Pandian) National Conference on Functional Genomics(Prof.P. Gunasekaran), Association of Microbiologist of India (AMI) (Prof.M. Lakshmanan), Society of Biological Chemists (SBC) (Prof.C. Rajamanickam), XIX National Symposium on Chronobiology (Prof.G. Marimuthu) etc.

In addition the School has organizing annually Aquater day conferences, Prof.S.K. Endowment Lecture, Prof. Gnanam Endowment Lecture, Prof.G.Shanmugam Endowment Lecture, Prof. M. Lakshman Endowment Lecture, Genomics Endowment Lecture regularly.

### AQUA-TERR Society for Biological Sciences

The History of Aqua-Terr is interlaced with the History of the School of Biological Sciences way back in 1966 and it was formed as informal club to report and discuss the developments and advancements in various fields of biological sciences. Since 1977, AQUA-TERR continued to be an integral part of the activities of the School of Biological Sciences. In 2015, it was registered as AQUA-TERR Society for Biological Sciences under Tamilnadu Society Act and three national level conferences were organized by AQUA-TERR Society in the following years (2015-2017)

### Alumni Endowment Fund

Alumni of School of Biological Sciences all around the world created endowment fund to conduct seminars and provide financial support to economically backward PG students of the School of Biological Sciences. It was initiated by Prof. SripathiKandula, Dr. Abdul Jabbar, USA and Prof. G. Marimuthu and established on 27<sup>th</sup> February 2017.

Further under the support of UGC-NRCBS the School has organized 36 Summer/Winter School Hands on training programmes (15 days – National Level) and 3 On-site training programmes. The students of the SBS regularly celebrating National Science Day, Environmental Day, Pongal celebration, Onam celebration, Holi celebration etc.



## Extension Activities - “Swacchata Bhart” Program

### Village Adaptation Programme

On 15<sup>th</sup> September, 2017, faculty, scholars and PG students of School of Biological Sciences went to Kottagaimedu village and involved in the tree plantation programme. About 3 faculty, 80 Scholars and 100 PG students actively participated in this programme and conducted survey on socio-economic status of residents of Kottagaimedu village. 1000 saplings were planted by members of SBS.



### Contact Us

**Prof. M. Hussain Munavar**  
**Chairperson**

School of Biological Sciences  
Madurai Kamaraj University  
Madurai 625 021

Telephone: +91-452-2458210 & 2458212

E.Mail Id: [chairpersonsbs@gmail.com](mailto:chairpersonsbs@gmail.com)

Website: [www.nrcbsmku.org](http://www.nrcbsmku.org),

[www.genomicsmku.org](http://www.genomicsmku.org)

[www.mkuniversity.org](http://www.mkuniversity.org)

# DISTINGUISHED FACULTY



Prof. S. Krishnaswamy



Prof. S.V. Job



Prof. A. Gnamam



Prof. J. Jayaraman



Prof. V.R. Muthukkaruppan



Prof. M.K. Chandrasekaran



Prof. M. Lakshmanan



Prof. Kunthala  
Jayaraman



Prof. R. Jayaraman



Prof. T.J. Pandian



Prof. G. Shanmugam



Prof. C. Rajamanikam



Prof. G. Kulandaivelu



Prof. S. Shanmuga  
sundaram



Prof. J. Muthukrishnan



Prof. S. Mathavan



Prof. RM. Pitchappan



Prof. KailashPaliwal



Prof. G. Marimuthu



Prof. R.Subburaj



Prof. P. Gunasekaran



Prof. SripathiKandula



Prof. K. Manoharan



Prof. P. Sudhakarswamy



Dr. Suguna shanmuga  
sundaram