



Photo

**Dr. SASHIDHAR MULUGU  
ASSOCIATE PROFESSOR**

**Contact**

Address : Department of Biomedical Science  
Bharathidasan University  
Tiruchirappalli – 620 024  
Tamil Nadu, INDIA

Employee Number : IBDU16207871

Date of Birth : 16.07.1962

Contact Phone (Office) : +91 431 2407116

Contact Phone (Mobile) : +91 9994821667

Contact e-mail(s) : [sashibms@bdu.ac.in](mailto:sashibms@bdu.ac.in) sashibms@yahoo.com

Skype id : ---

**Academic Qualifications: M.A./M.Sc./M.Phil./Ph.D./**

Ph. D. Immunology, Madurai Kamaraj University, Madurai, India. (1995)  
M. Sc. Human Genetics & Physical Anthropology, Andhra University, Waltair, India.(1985)  
B.Sc. Zoology, Madras University, Madras. (1983)

**Teaching Experience:**

**12 yrs – Joined Bharathidasan University 6.02.2006**

**Research Experience: 10 Years**

**Ph D – 1987-1994 (Department of Immunology, Madurai Kamaraj University, Madurai, Tamilnadu, India.**

**1995 - Research Associate, School of Life Sciences, JNU, New Delhi.**

1996-1997 – Assistant Professor, Department of Biology, Norfolk State University, Norfolk (VA), USA.

1998-2001 – Research Associate, Department of Microbiology, Duke University, Durham, ( NC), USA.

2001-2006 – Research Associate, Howard Hughes Center, Department of Pharmacology, Duke University, Durham (NC) USA.

### Additional Responsibilities

1. Syndicate Member since Oct 2018
2. Coordinator - International Student Cell

### Areas of Research

Inositol biology, Role of inositol phosphate in nutrient absorption as seen in clinical conditions, role of phytates in nutritional deficiency.

### Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	Xx	Xx
	M.Phil.	Xx	Xx
Project	PG	Xx	Xx
	UG / Others	Xx	Xx

### Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
5	--	--	--	--

Cumulative Impact Factor (as per JCR) : 97.48  
h-index : 5  
i10 index : 4  
Total Citations : 548

## Funded Research Projects

### Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	--	--	--		
2					

### Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	--				
2					

### Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	----				
2					

### Others

**Note: Budget must be rounded to two decimal places**

**Patents : -----**

### Distinctive Achievements / Awards

1. Discovered a IP6 kinase gene called VIP1 and published in Science journal. 2007

## Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

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## Events Participated (optional)

### Conferences / Seminars / Workshops:

1. Techniques in Clinical Haematology and Biochemistry, Department of Biomedical Science, Bharathidasan University, Trichy.
2. Emerging Trends in Cancer and Stem Cell Biology, One day National Seminar, Department of Biomedical Science, Bharathidasan University, Trichy.

### Other Training Programs

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## Overseas Exposure / Visits

1. 2001 – 2006 - Department of Pharmacology, Duke University, Durham, NC (USA)
2. 1998 – 2001 - Department of Microbiology, Duke University, Durham, NC(USA)
3. 1996 – 1997 - Department of Biology, Norfolk State University, Norfolk, VA(USA)

## Membership in

### Professional Bodies

1. Life Member: Indian Association of Biomedical Scientists

### Editorial Board

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### Advisory Board:

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### Academic Bodies (such as Board of Studies etc.,)

1. Department of Biomedical Science
2. Academic Council of Seethalakshmi Ramasamy College (Autonomous), Trichy.

### Others

1. Nominated Member of IPR Cell, Bharathidasan University, Trichy.

## Resource persons in various capacities

Number of Invited / Special Lectures delivered: 2

## Others

1. Articles published in Newspapers / Magazines : --
2. Products developed : --
3. No. of PhD Thesis evaluated : 1
4. No. of PhD Public Viva Voce Examination conducted : 1
5. Sequences submitted in GenBank

\*\*Social Interests and Initiatives / Articles in News papers etc can also be included

## Recent Publications

1. Otto JC, Mulugu S, Fridy PC, Chiou ST, Armbruster BN, Ribeiro AA, York JD. Biochemical analysis of inositol phosphate kinases. *Methods Enzymol.* **2007;434:171-85. (Impact Factor : 1.98)**
2. Lee YS, Mulugu S, York JD, O'Shea EK. Regulation of a cyclin-CDK-CDK inhibitor complex by inositol pyrophosphates. *Science.* **2007 Apr 6;316(5821):109-12. (Impact Factor : 41.0)**
3. Mulugu S, Bai W, Fridy PC, Bastidas RJ, Otto JC, Dollins DE, Haystead TA, Ribeiro AA, York JD. A conserved family of enzymes that phosphorylate inositol hexakisphosphate. *Science.* **2007 Apr 6;316(5821):106-9.(Impact Factor : 41.0)**
4. Mulugu S, Potnis A, Shamsuzzaman, Taylor J, Alexander K, Bastia D. Mechanism of termination of DNA replication of Escherichia coli involves helicase-contrahelicase interaction. *Proc Natl Acad Sci USA.* **2001 Aug 14;98(17):9569-74. (Impact Factor : 9.5)**
5. Gautam A, Mulugu S, Alexander K, Bastia D. A single domain of the replication termination protein of Bacillus subtilis is involved in arresting both DnaB helicase and RNA polymerase. *J Biol Chem.* **2001 Jun 29;276(26):23471-9. (Impact Factor : 4.0)**