

**The American College, Madurai**  
**FACULTY PROFILE**  
**(For IQAC)**



**Name** : **Dr S R MURALI** **Date of Joining** : **9.9.2020**  
**Designation** : **Assistant Professor** **Department** : **Biochemistry**  
**Phone with Ext. No** : **04522334422** **Mobile** : **9843334360**  
**Email** : **murali@americancollege.edu.in**

**I. Education Qualification:**

<b>Degree</b>	<b>Subject</b>	<b>College/University &amp;Place</b>	<b>Year Completed</b>
phD	Biochemistry	Gandhigram Rural Institute Deemed University, Gandhigram.	2010
M.Sc	Biochemistry	St.Joseph's College (Autonomous), Trichy.	1996
B.Sc	Zoology	VHNSN College, Viruthunagar.	1994

**Specialization in Research:**

- Bio molecules
- Enzymology
- Biochemical techniques
- Metabolism
- Immunology
- Clinical biochemistry
- Molecular Biology
- Nutritional Biochemistry
- Plant Biochemistry
- Bioinformatics

**Research Interests:**

- Bioremediation
- Clinical pathology
- Phytochemical studies

**Any Other Work Experience:**

<b>Designation</b>	<b>Institution / Company</b>	<b>Year – From (month/year) To (month/year)</b>
Lecturer	Sourashtra college ,Madurai	Sept 1996-July 2002
Associate Professor	Sourashtra college, Madurai	July 2002-June 2011
Professor	RVS School of Engineering and Technology, Dindigul	June 2011-March 2020

**Administrative / Academic Position/s (held / currently holding):**

<b>Positions held / currently holding</b>	<b>Year – From (month/year) To (month/year)</b>
Deputy coordinator , Sourashtra college	June 2008-june 2011
HOD Biomedical , RVS School of Engineering and Technology, Dindigul	July 2011- March 2020
Chief superintendant of examination , RVS Dindigul	Nov 2017-april 2019

**Membership in Professional Bodies:**

(Include Board of Studies/ journal/ article)

<b>Positions held / currently holding in Professional Body</b>	<b>Year – From (month/year) To (month/year)</b>
Reviewer Journal of Hazardous Materials	June 2018- Sept 2019
Reviewer Journal of Bioremediation	April 2016-May 2017
Life member THE INDIAN SOCIETY FOR TECHNICAL EDUCATION	
Member of Academic council /Board of Studiesfor BE Biomedical Engineering and BE Medical Electronics for framing New Syllabus and curriculum regulation 2017 Anna University Chennai	OCT 2016- DEC 2017

**Publications:**

(List to be given with complete bibliography with impact factor if any)*mention: Peer Review Journals/ Non-Peer Review Journals/ e-Journals / Conference proceedings*

**Articles Published in International Journals:**

- ▶ S.R.Murali, N.S.Nagarajan, N.Muruges, P.Thirupathikumaresan & N.Radha 2005 Antidiabetic and Antihyperlipemic effects of Clemeo eline. *Fitoterapia* 76(2005) 310-315, Elsevier publication.
- ▶ Murali, S.R., and M.R.Rajan, 2011 Dechloridation of treated Tannery Effluent by using Leaves of Plants. *Nature Environment and pollution Technology-An international scientific journal* 10(4),573-578.
- ▶ Murali, S.R., and M.R.Rajan, 2012 Bioremediation of chloride from Tannery Effluent (Senkulam Lake in the Dindigul-Batlagundu highway) with Halobacterium species and Bacteria isolated from Tannery Effluent *International Journal of Environmental Biology* 2(1): 23-30.
- ▶ Murali S.R, Pandeewaran M and Robert Kennedy Z 2015 Enrichment Of Biogas Production From Mixture Of Rubber Seed Cake And Cow Dung Using Tio<sub>2</sub> Catalyst And Temperature *Int. J. Renewable Energy Technology* 6(1):1-17.
- ▶ Murali S R., Sundaresan R., Sivakumar P 2015 An Operating Condition For Maximizing Tyre Derived Liquid Fuel In Fluidized Bed Using Surface Response Methodology *International Engineering Research Journal (IERJ)* 1(11) :1454-1459.
- ▶ Murali S.R and Caleb Johnson Paranjothi C 2016 A Study of Multidrug resistance bacteria from UTI patients *International Journal of Scientific & Engineering Research* 7(11): 596-600.
- ▶ Murali S.R and Caleb Johnson Paranjothi C 2018 Antibacterial activity and GCMS analysis of the extract of leaves of *Rhizophora Apiculata* (A Mangrove plant) *World journal of Pharmaceutical Research* 7(11) :608-615.

- Murali S.R and Rathika K 2018 Green synthesis of Nano particles by using *Diptheracanthus Prostrates* Plants extract : Characterization of the particles and study of Antibacterial activity World journal of Pharmaceutical Research. 7(8): 932-937.
- Murali S.R and Rathika K 2018 Phytochemical screening GCMS analysis and antibacterial activity of methanolic extract of *Alysicarpus monilifer* L (DC) . International journal of Creative Research Thoughts 6(2): 2320-2332
- Murali S.R and N.Meenachisundram 2019 Pharmacognostic Investigation of Traditional Medicinal Plants. Journal of Scientific Computing 8(12):202-207

### **Articles published in National Journals:**

- Murali, S.R., Rajan, M.R and Arulraj Emmanuel, E.S 2007. Desalination of pre-treated tannery effluent. National Journal of Jyothi Research Academy 1(2): 89-97.
- Murali, S.R., and M.R.Rajan, 2009. A Comparative study on sulphate reduction from Tannery Effluent by Biosorbent with Microbes and Isolation and Molecular Characterization of Microbes Involved in Reduction. Journal of Pure & Applied Microbiology 3(2): 625-630.
- Murali S.R and N.Meenachisundram 2019 Screening and characterization of plant growth promoting rhizobacteria from rhizospheric soils of Curcuma Longa ADALYA JOURNAL8(12):679-688

### **Books:**

With ISBN No

Without ISBN No.

Chapters in Edited Books

### **Conference / workshop/ Seminar Presentations:**

- Murali,S.R, S.Gita and M.R.Rajan 2006. Absorption of chloride from tannery effluent using Microorganisms Proceeding of National conference on Environmental Pollution Management and sustainable Development. Gandhigram P.68-74.
- Murali, S.R and Nirmal H.Iyer , 2008. Hepato-Protective effect of *Creataeva magna* in Paracetamol induced liver damage in male albino rabbits. Souvenir of National Symposium on emerging trends in Medical Biotechnology. P11. (2<sup>nd</sup> prize in the conference)
- Murali, S.R., Nirmal H.Iyer and Ravikumar, L 2008.Hepato-protective effect of *Eclipta alba* in Paracetamol induced liver damage in male Wister rat. Proceeding of the National Symposium on emerging trends in Medical Biotechnology. P11.
- Rajesh, M and Murali S.R 2008 Toxic effect of Aluminium in *Oreochromis mossambicus*, National Seminar on Emerging Issues in Quality and safety of Fish and Shellfish (EIQASFISH` 2008) HELD AT Fisheries college & Research Institute, Tuticorin.

- ▶ Murali, S.R., S.V.Karthika, N.Krithiga and Rajarajeswari, 2009. Invitro Direct and indirect Organogenesis OF Anrhurium andreanum , Proceeding of the National Conference on Biotechnology for Human Development, VIT ,Vellore P28.
- ▶ Manivannan, G., Murali S.R., Bubashkumar,S.J and Rajesh, M 2009. A Study on Phospate Solubilizing Efficiency of Bacterial Isolation From Rocky Soil And Its Molecular Characterization in the National conference on Marine resources and Utilization Organized by St.Mary`s College, Tuticorin, 2009.
- ▶ Murali S.R., Rajesh, M., J.Sinduja priyadharshini., S.Saranya and S.Jansi Rani 2010. Micropropagation of Extraction and Production of Secondary metabolities and analysis of Its Antimicrobial activity of Rauwolfia serpentine in the 3<sup>rd</sup> Indo-Korean Joint Seminar jointly organized by Avinashilingam university for women and Department of Biochemistry and Bioinformatics & society of Biological Chemists (India), Coimbatore Branch.
- ▶ Murali S.R, and Ramasamy,S. 2010 Bioremediation of heavy metal in industrial effluent in National Level Seminar on recent trends in Genomics, organized by S.V.N. College, Madurai.
- ▶ UGC sponsored Recent trends in Biotechnology 2010 organized by EMG Yadava Women`s college, Madurai.
- ▶ Murali,S.R., Rajesh, M.,Kaleeswari, K and Murugalakshmi, R 2011. Bioremediation and Decolorization of Heavy metals in textile industrial effluent in international conference on Global Competitiveness in Biology, Chemistry and Environment: for a Better Tomorrow organized by Rev.Jacob Memorial College, Ambilikkai.
- ▶ Murali,S.R.,Radha, P.V.,Lavanya.U and Jansirani, S 2011. Bioremediation of Heavy Metals from Paper industrial effluent in international conference on Global Competitiveness in Biology, Chemistry and Environment: for a Better Tomorrow organized by Rev.Jacob Memorial college, Ambilikkai.
- ▶ Murali,S.R., Rajesh, M.,Kaleeswari, K and Murugalakshmi, R 2011.Awarded Best poster award in international conference on Global Competitiveness in Biology, Chemistry and Environment: for a Better Tomorrow organized by Rev.Jacob Memorial college, Ambilikkai.
- ▶ Murali, S.R., Rajesh, M and Rajan, M.R.2011. Bioremediation, Characterization and comparison of Bacterial strain in the removal of Chloride isolated from Treated Tannery Effluent with Halobacterium species in International Conference on Aquatic toxicology and Biodiversity organized by Nagarjuna University, Nagarjuna Nagar.
- ▶ Murali, S.R and Abinaya, P.2011 A Bioremediation study on the Removal of Heavy metals from Electroplating Industrial Effluent in the international conference organized by Fatima College, Madurai
- ▶ Murali, S.R., Rajesh, M., Lavanya, U and Jansirani, S.2011. Effect of e-waste in Health and Environment in Aquatarr`2011 organizes by School of Biological Science, Madurai Kamaraj University, Madurai.
- ▶ Murali, S.R., Rajesh,M., Sudarmathi, V and Karpagam, B. 2011 Cell Phone Bacteria in Aquatarr`2011 organizes by School of Biological Science, Madurai Kamaraj University, Madurai.
- ▶ Murali S.R and Robert Kennedy Z 2013 Optimization Techniques in Engineering Sciences and Technologies” at Bannari Amman Institute of Technology, Sathyamangalam
- ▶ National level Conference on Robotics, Artificial Intelligence and Mechine learning organized by RVS 2019

**Lectures / Talks given:**

(List the title of the lecture / talk, date, institution and place)

<b>Name of the Seminar/Conference/Symposia Workshop etc.,</b>	<b>Name of the Sponsoring Agency</b>	<b>Title of paper</b>	<b>Institution, Place and Date</b>
Trends in Biochemistry		Scope of Biochemistry	Rev Jacob Memorial college Ambilikkai. Sept 2010

**Served as experts, chairpersons or resource persons**

<b>Name of the Seminar/Conference/Symposia Workshop etc.,</b>	<b>Name of the Sponsoring Agency</b>	<b>Institution, Place and Date</b>
Trends in Biochemistry		Rev Jacob Memorial college Ambilikkai. Sept 2010

**Ph. D Guideship status**

No. of candidates Ongoing : M. Phil ----- Ph.D 3 ( Thesis submitted 2)

No. of candidates Completed M. Phil -5 Ph.D-----

- ▶ Approved External Ph.D. guide in Biochemistry of Bharathiar University, Coimbatore, at:-
  - Scholar (K.Rathika) Area of Research (Phyto - remediation)
  - Scholar (N .MeenachiSundram) Area of Research (Phyto - remediation)(Thesis submitted)
  - Scholar (Calebjohnson Paranjothi. C) Area of Research (Clinical Bio - chemistry) (Thesis submitted)