

## RESUME

Department Name: MICROBIOLOGY

### Personal Details

1. Staff Name : DR. A. REENA
2. Spouse Name : DENZIL PERIA
3. Father Name : DR. J. ALPHONSE JAYABALAN
4. Mother Name : A. THRESAMMAL
5. Date of Birth :20.06.1979
6. Date of Appointment in MSCAS :10.05.2010
7. Date of Joining : 01.07.2010
8. Designation : Asst. Professor
9. Education Qualification : M.Sc., Ph.D.,
10. Permanent Address : H-115/6. 33 Cross st, Besantnagar, Chennai-90.
11. Present Address : H-115/6. 33 Cross st, Besantnagar, Chennai-90.
12. Phone/Cell No : 9176942150
13. Email ID : reena.denzil@yahoo.com
14. Religion : RC Christian
15. Community : BC
16. Academic Qualifications : M.Sc., Ph. D



**Highest Academic Qualification: Ph.D.**



**18. Research Status:**

**Guiding Ph.D Students Total 5**

<b>Registered for Ph.D students</b>		
<b>Awarded</b>	<b>Preparation of Thesis</b>	<b>Research going on</b>
2	-	3

**19. Research Topic: -**

**Isolation, Characterization And Strain Improvement of *Penicillium chrysogenum* .**

**Anti-Biofilm Potential of Seaweeds n Marine Bacteria Inhabiting Ship's Hull.**

**Studies on Bioremediation Potential of *Pseudomonas putida* in Hydrocarbon Contaminated Soils.**

**20. Field of Specialization: - Bioremediation**

**21. Broad area of Research: - Applied Microbiology**

**22. Interested Area of Research: - Environmental Microbiology**

**23. No. of Papers Published: - 19**

**International: 6**

**National: 13**

**24. Details of Paper Publication: National Journals: 13; International Journals:6**

S.no	Journal Name	Year & month	Title	ISSN No	Authors	Page Nos
1	Journal of Applied Microbiology	Sep 2010	Optimization of Penicillin Productivity by Carbon sources in the Wild Strains of <i>Penicillium chrysogenum</i> Thom.	2249-8400	Reena A.,Panneerselvam	20-25
2	<i>Journal of Pharmacy Reasearch.</i>	Jan 2011	Optimization of the penicillin production with <i>Penicillium chrysogenum</i> strains by the side-chain precursors	0974-6943	Reena A.,Panneerselvam	10-1606.
3	<i>Journal of Pure and Applied Microbiology</i>	(April 2011).	Studies on Antibacterial Efficacy of NTG treated and UV irradiated <i>Penicillium chrysogenum</i> strains isolated from marsh soil of Tamilnadu	0973-7510	Reena A.,Panneerselvam	Vol 5.No.1
4	<i>Ind Journal of Applied Microbiology.</i>	(2011)	Isolation, screening and Optiization of <i>Penicillium chrysogenum</i> , from the soil samples of Muthupet Marshes Tamilnadu	2249-8400	Reena A.,Panneerselvam	19-23
5	<i>International Journal of Pharmaceutical &amp; Biological Archives</i>	2011	Effect of minerals on Penicillin production by <i>Penicillium chrysogenum</i> strains isolated from coastal marshes of Tamilnadu	0976-3333	Reena A.,Panneerselvam Vinothkumar.P. Aysha.O.S.	190-1195.
6	<i>Int.J. Pharmaceutical &amp; Biological Archives. .</i>	2011.	Microbial Product Act as a Probiotic against Human Intestinal Pathogens.	0976-3333	Vinothkumar, P., Sheik Mohamed,P., Aysha, O.S., Valli, S.,	1172-1174

					Nirmala,P., Reena,A., Elumalai E.K	
7	<i>Int.J Pharmaceutical &amp;Biological Archives.</i>	2011	Production of Extracellular Polysaccharides by a Rhizobium Species from Root Nodules of <i>Vigna mungo</i> (Hepper).	0976- 3333	Nirmala,P., Aysha, O.S., Valli, S., Reena, A., Vinothkumar,	1209- 1214.
8	Asian.J.of Tropical Biomedicine	2012	Antimicrobial potential of Actinomycetes species isolated from marine environment.	2221- 1691	Valli.S.,Suvathi.S Aysha O.S, Nirmala.P., Reena .A, Vinoth Kumar	469- 473.
9	<i>International Journal of Bioassays,</i>	2012	PGPR Bacillus species Isolated from Tomato Plant- A Comparative Study on Coconut water Enrichment	2278- 778X	Aysha, O.S. Vinothkumar, P, Vasuki.S., Valli, S., Nirmala,P., Reena, A.	.,Vol.0 1(11).
10	<i>International Journal of Pharmaceutical &amp; Biological Archives</i>	2012	A Study on the Lactase Potential of <i>Kluyveromyces lactis</i> Grown in Whey	0976- 3333	Valli .S* Nethralakshmi J, Aysha O.S, Reena .A, Vinoth Kumar .P	877- 883.
11	<i>International J. of Biological Assay,</i>	2013	Antagonistic Activity of <i>Trichoderma viride</i> Isolate on Soil Borne Plant Pathogenic Fungi.	2278- 778X	Reena A.,Anitha.M., Aysha, O.S., Valli, S., Nirmala,P., Vinothkumar, P.	294- 297.
12	<i>Int.J.of Current Microbiology and Applied Science</i>	2013	Isolation of Siderophore producing bacteria from rhizosphere soil and their antagonistic activity against selected fungal plant pathogens	ISSN: 2319- 7692( Print) , ISSN: 2319- 7706( Onlin e	AngelJenifer M,ReenaA, Aysha, O.S., Valli, S., Nirmala,P., Vinothkumar,	59-65

13.	<i>Spectrochimica Acta part A: Molecular and Biomolecular Spectroscopy</i>	2013	Lemon peels mediated of silver nanoparticles and its antidermatophytic activity	1386-1425 IF.2.0 98	S.Najimunisha,O.S .Aysha,P.Vinothkumar,S.Valli,P.Nirmala,A.Reena	194-198
14	<i>International Journal of Current Research and Academic Review</i>	2016	Antibacterial Activity of Marine Algae against Clinically Relevant Bacterial Strains	ISSN: 2347-3215	M.UmaMaheswari , A. Reena B F. Paul Beulah	10-16
15	<i>International Journal of Pharmaceutical Sciences and Research</i>	2017	Gc-ms analysis, antioxidant and antibacterial activity of the brown algae, <i>Padina tetrastromatica</i>	ISSN (Online): 0975-8232, ISSN (Print): 2320-5148	M.UmaMaheswari , A. Reena C. Sivaraj	4014-4020
16	<i>International Journal of Pharma Sciences and Research</i>	2017	Phytochemical Profiling of the Red Seaweed, <i>Halymenia dilatata</i> by GC-MS Analysis	ISSN : 0975-9492	UmaMaheswari M, Reena A	167-172
17	<i>International Journal of Current Research and Academic Review</i>	2016	Isolation, Identification and Characterization of Petroleum Degrading Bacteria from Oil Contaminated Soils	ISSN: 2347-3215	B F. Paul Beulah A. Reena M.UmaMaheswari	1-8
18	<i>International Journal of Advanced Research</i>	2018	Screening and extraction of biosurfactant producing bacteria from oil contaminated soils.	ISSN 2320-5407	B F. Paul Beulah A. Reena M.UmaMaheswari	1873-1878

19	<i>International Journal of Pharmaceutical Research</i>	2020	Characterization of Biosurfactant Extracted from <i>Pseudomonas putida</i> from oil contaminated soils and its application using hydroponic study for Bioremediation	ISSN 0975-2366	B F. Paul Beulah A. Reena M.UmaMaheswari Dr.N.Arunagirinathan	2700-2705

### 25. No. of Workshops attended

S.No	Workshop on	From	To	Venue
1	Attended Residential Training Program from Intel for the “Teach to the Future” Campaign.	20.8.2004	23.08.2004	A.V.C College (Autonomous) Mayiladuthurai.
2	Isolation and Identification of Marine ActinoBacteria” held at the Centre of Advanced study in Marine Biology	06.03.2008	08.03.2008	Annamalai University.
3	PCR Technique for DNA Amplification and Disease Diagnosis”	19.03.2008	20.03.2008	CAS in Marine Biology, Annamalai
4	Mushroom Cultivation and Biofertilizer Production	10.8.2019		Mohamed sathak college of arts and science

**26. No. of Conferences Participated.****National Conference:**

<b>S.No</b>	<b>Conference Name</b>	<b>From</b>	<b>To</b>	<b>Venue</b>
<b>1</b>	National Seminar on “Strengthening Agriculture Value Chain through <input type="checkbox"/> Food processing” held.	Feb 2008		Paddy Processing Research Centre, Govt. of India, Thanjavur
<b>2</b>	“Waters- the Science of what’s Possible” Sponsored by Acquity Waters (India) Pvt Ltd.,	May 2008.		Tiruchirappalli –
<b>3</b>	“National Conference on challenges of Microbial Technology and Microbes	”-Feb 2011		Dept of Microbiology, at Madras Christian College(Autonomous) Chennai.
<b>4.</b>	Regional seminar on “Recent Trends in Research and Applications of Life Sciences”	Feb 2012		Mohamed Sathak College of arts and Science



<b>5.</b>	Popular Lecture Series for Popularization of Biotechnology	Nov 2013		Sathyabama University
<b>6.</b>	Quality in Higher Education-From Assurance to Excellence	June 2014		Dr.MGR Janaki college of arts and science
<b>7.</b>	NATCON-2014	Sep 2014		Mohamed Sthak college of arts and science
<b>8.</b>	The workshop on Radiation Biology and its Applications	June 2014		Mohamed sathak college of arts and science
<b>9.</b>	Ido-UK JOINT Lecture workshop on Small molecule Discovery and chemical Biology	Feb 2015		Sathyabama University
<b>10</b>	International Seminar on New Horizons I Microbiology Challenges and Propects organized y post graduate and Research Department of Microbiology	July 2015		Mohamed Sathak college of arts and science
<b>11</b>	National Seminar	Fe 2017		SIET COLLEGE

	cum Workshop on “Application of Bioinformatics in Life science Research”			
<b>12</b>	Mentoring-Being a great Teacher and Moving towards Excellence	Dec 2017		IQAC, Mohamed Sathak college of arts and science
<b>13</b>	Interdisciplinary Research and Innovations In Biosciences NATCON-2018	Jan 2018		Mohamed Sathak college of arts and science
<b>14</b>	National conference on Emerging Trends in Viral Diseases	Fe 2018		Dr.ALM Post graduate Institute of asic Medical Science.
<b>15</b>	National seminar on “Academia- Industry Interface”	July 2018		Dr.MGR Janaki college of arts and science
<b>16.</b>	One day seminar on the Nobel Prize	Oct 2018		Taminadu science Forum
<b>17.</b>	Frontiers and Innovations in Microbiology	Oct 2018		Mohamed Sathak college of arts and science
<b>18.</b>	Quality Assurance and Sustenance in Higher Education	Jan 2019		Mohamed Sathak college of arts and science

<b>19.</b>	Delivered Lecture in Young Student Scientist Programme-2019	May 2019		Mohamed Sathak college of arts and science
<b>20</b>	Biotechnological and Nanotechnological Application for Marine Resources Augmentation	4.5.2020	5.5.2020	Sathyabama Institute of Science and Technoloy
<b>21</b>	Gudelines for the Management of Healthy and Hygiene in COVID-19 Pandemic	18 th May		SRM Arts and Science College
<b>22</b>	The Mind FIZZ for MLT	May2020		Idhaya College for women
<b>23</b>	Health,Food and Nutrition to Encounter COVID-19	22.5.2020	23.5.2020	AKS University,Satna,MP

**27. Qualification Approval No.**

**No.A.II/AC/A.P.Approval/MS/2012/1018 dated 16-07-2012.**

**28.Guideship Approval:**

**No:D.2/Ph.D guide Recogn./2013/111**

