

**SREE AYYAPPA COLLEGE, ERAMALLIKKARA,  
CHENGANNUR, ALAPPUZHA-689 109**



**REPORT OF  
STATE LEVEL SEMINAR ON ENVIRONMENTAL POLLUTION  
IN THE CURRENT SCENARIO MAJOR THREATS AND  
SOLUTIONS**

**JUNE 20, 21TH 2018**

**ORGANIZED BY DEPARTMENT OF BIOCHEMISTRY &  
INDUSTRIAL MICROBIOLOGY**

**SPONSORED BY KERALA STATE COUNCIL FOR SCIENCE  
TECHNOLOGY AND ENVIRONMENT**

**CONVENER**

**DR.NITHA.B**

**JOINT CONVENER**

**DR.GANGA.G**

**DR.REJIYA.C.S**

**DR.SANDEEP.S**

**State level seminar on Environmental pollution in the  
current scenario major threats and solutions' sponsored by  
Kerala state council for Science Technology and  
Environment - June 20, 21th 2018 as a part of World  
Environment Day**

The Department of Biochemistry and Industrial Microbiology, Sree Ayyappa college, Eramallikkara organized a 'State level seminar on Environmental pollution in the current scenario major threats and solutions' sponsored by Kerala state council for Science Technology and Environment as a part of World Environment day 2018 on June 20th and 21st . The seminar was inaugurated by Dr. Geetha. S. Pillai, Deputy Project Director, Centre for Medicinal plants Research, Arya Vaidyasala Kottakkal. Smt. Binz. C. Thomas, District coordinator, Suchitwa Mission, Alappuzha delivered an invited talk on Impacts of plastic pollution and waste management.



**WORLD ENVIRONMENTAL DAY  
Celebration**

*State Level Seminar On*  
**ENVIRONMENTAL POLLUTION IN THE CURRENT SCENARIO - MAJOR THREATS  
AND SOLUTIONS - FOCAL THEME - PLASTIC POLLUTION**

June **20<sup>th</sup>** and **21<sup>st</sup>** 2018  
Venue: College Auditorium

Organized By : DEPARTMENT OF BIOCHEMISTRY &  
INDUSTRIAL MICROBIOLOGY  
Sponsored By : KERALA STATE COUNCIL FOR  
SCIENCE TECHNOLOGY AND ENVIRONMENT

**PROGRAMME SCHEDULE**

**JUNE 20th 2018**

10.00 AM : Prayer  
10.05 - 10.30 : **INAUGURAL FUNCTION**  
Welcome Speech : Dr.NITHA.B. HOD, Biochemistry & Industrial Microbiology  
Presidential Address : Dr.K.S. ANILKUMAR, Principal  
Inauguration : Dr. GEETHA.S.PILLAI, Deputy Project Director  
Centre for Medicinal Plants Research, AVS Kottakkal  
Felicitation : Dr.GANGA.G, Assistant Professor, Microbiology  
Dr.REJIYA.C.S, Assistant Professor, Biochemistry  
Dr. PRAKASH K.C, IQAC Co-ordinator  
Vote of Thanks : Dr.SANDEEP. S, Assistant Professor, Chemistry

TEA BREAK

SESSION I-10.45-11.30  
**R. GEETHA.S.PILLAI**  
**IMPACT ON ENVIRONMENTAL POLLUTION ON  
MEDICINAL PLANTS**

SESSION II 11.30 - 1.00  
**DR. RAGHU, A.V**, Scientist, Kerala Forest Research  
Institute, Peechi  
**ENVIRONMENTAL POLLUTION- MAJOR PROBLEMS ON  
VEGETATION AND IMPORTANCE OF FOREST  
CONSERVATION**

LUNCH BREAK

SESSION III 1.30-2.30  
**SMT. BINZ.C.THOMAS**, District Co-Ordinator,  
Suchitwa Mission, Alappuzha,  
**IMPACTS OF PLASTIC POLLUTION AND  
WASTE MANAGEMENT**  
2.30-3.30 : **EXPO ON WASTE MANAGEMENT SYSTEMS-**  
By Suchitwa Mission.

**DAY II- JUNE 21st 2018**

**COMPETITIONS FOR COLLEGE/SCHOOL STUDENTS**

10.00 AM : **ORAL/POSTER PRESENTATIONS ON IMPACT  
OF ENVIRONMENTAL POLLUTION ON EARTH**  
10.30 AM : **PHOTOGRAPHY COMPETITION ON HAZARDS  
OF ENVIRONMENTAL POLLUTION**

TEA BREAK

10.30 AM : **ENVIRONMENTAL QUIZ COMPETITION**  
11.30 AM : **PAINTING COMPETITION ON THE  
IMPACTS OF ENVIRONMENTAL POLLUTION**  
12.00 PM : **SHORT FILM SHOWS ON IMPACTS OF  
ENVIRONMENTAL POLLUTION.**

LUNCH BREAK

1.30-2.30 : **VALEDICORY FUNCTION AND  
PRIZE DISTRIBUTION**

—ORGANIZING COMMITTEE—  
Chairman: Dr. K.S. Anil Kumar, Principal | Convenor: Dr.Nitha.B  
Joint Conveners : Dr. Ganga.G, Dr.Rejiya.C.S, Dr.Sandeep.S

For Further Details Contact: Dr. Nitha. B 9446247374, Dr.Rejiya C.S. 8547213565

## INAUGURAL FUNCTION

The seminar started at 10.00AM on June 20<sup>th</sup> 2018 with a prayer to the almighty. Welcome speech was delivered by Dr. Nitha. B, Head, Department of Biochemistry and Industrial Microbiology, convener of the Seminar. Dr. K.S. Anil Kumar, Principal presided over the function. In the presidential address principal mentioned about the environmental pollution especially plastic pollution. He spoke that by step by step we can reduce the use of plastic and thus we can protect our earth and this year college is emphasizing on the theme plastic pollution to make the a campus plastic free. The seminar was inaugurated by Dr. Geetha. S. Pillai, Deputy Project Director, Centre for Medicinal plants Research, Arya Vaidyasala Kottakkal. In the inaugural speech she mentioned about various environmental pollution hazards, mainly the changes of plants due to pollution. Dr.Ganga.G, Assistant Professor, Microbiology delivered the felicitation speech and Dr. Sandeep.S, Assistant Professor, Chemistry expressed vote of thanks.



**INAGURATION BY DR.GEETHA.S.PILLAI**





**SMT.BINZ.C.THOMAS, DISTRICT-COORDINATOR, SUCHITWA MISSION,  
LIGHTNING THE LAMP**







### **PRESIDENTIAL ADDRESS**



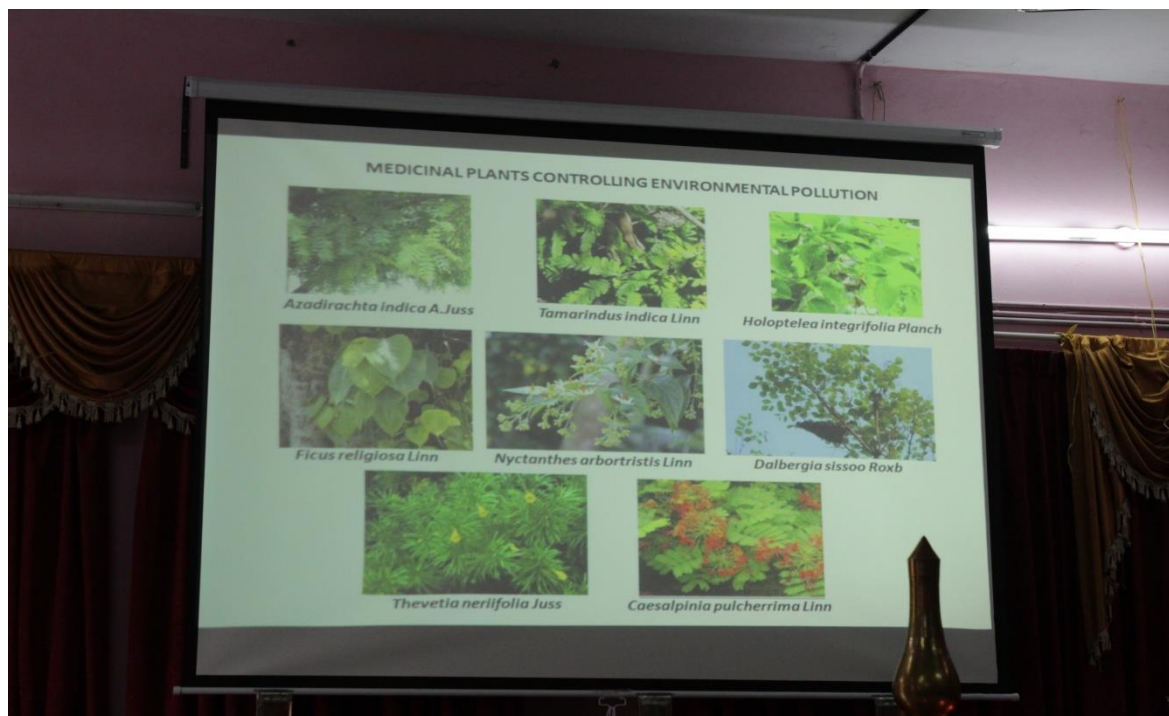
### **INAGURAL ADDRESS**

## **INVITED TALK ON IMPACTS OF ENVIRONMENT POLLUTION ON VEGETATION- WITH SPECIAL EMPHASIS TO MEDICINAL PLANTS**

The first session was followed by the tea break. Dr.Geetha.S. Pillai handled the first session.She delivered a speech on the hazards of environmental pollution. The class started by 11.15 AM. She talked on the major effects of pollution especially plants with special emphasis to medicinal plants. The class was quiet interesting. She talked various changes in the vegetation especially to leaves, barks etc due to pollution. In the talk she mentioned that many chemicals, fertilizers, pesticides combustion of coal, and waste treatments release toxic substances into the environment that are taken up by the plants from air, water and soil. Atmospheric pollutants particularly SO<sub>2</sub>, halides (HF, HCl), ozone, carbon monoxide and per-oxiacetyl nitrate (PAN) produced from automobiles, industrial fumes and strong radiations are dangerous to plants. Harmful substances that reach to plants through the air are SO<sub>2</sub>, nitrogen oxides, hydrocarbons, dusts and smokes. Plants growing in water are severely affected by toxic chemicals like cyanides, chlorine, hypochlorate, phenols, benzyl derivatives and heavy metal compounds of sewage. She also mentioned about the hazardous side effects of plastic pollution. The session lasted till 12.30.



## INVITED TALK







**PRESENTING MOMENTO TO THE RESOURCE PERSON**

## **SESSION-II-INVITED TALK- IMPACTS OF PLASTIC POLLUTIONAND WASTE MANAGEMENT**

The second session started at 12.30. This session was handled by Smt. Binz. C. Thomas, District coordinator, Suchitwa Mission, Alappuzha. She mainly focused on the sources of environmental pollution. Hazardous side effects of plastic, health hazards caused by having food in plastic containers, how to reduce the use of plastic etc. She also explained the waste management systems and initiatives by Suchitwa mission for waste mangement. She discussed in detail regarding the plastic waste management programmes by Suchitwa mission and passed the message of Reduce Reuse and Recycle to the students. The session was very interesting and really worth to the students.



## **EXPO ON WASTE MANAGEMENT SYSTEMS BY SUCHITWA MISSION**

Suchitwa Mission, Alapappuzha District also organized an expo on waste management systems on 20<sup>th</sup> june 2018. Various solid waste management



systems such as pot compost, bin compost, tank compost, vermin compost production and various, methodologies were exhibited . A team from suchitwa mission explained. Students and public made use of this expo and the suchitwa mission team explained various waste management systems to them.







### **EXPO ON WASTE MANAGEMENT SYSTEMS**

### **POSTER PRESENTATIONS ON HAZARDS OF ENVIRONMENTAL POLLUTION**

Poster presentations were organized for the students on adverse effects of environmental pollution on 20<sup>th</sup> June 2018. Students were made various posters with different messages on the need to protect our earth from pollutions. The poster presentation was an experience to the students to know about the adverse effects of environmental pollution. The session was judged by the invited speakers.



## ORAL PRESENTATION ON HAZARDS OF ENVIRONMENTAL POLLUTION

Oral presentations were conducted on 21<sup>st</sup> June 2018. Students from different colleges made oral presentations on different aspects of environmental pollution. The students were actively participated in the session. The students from Amrita Institute, Kollam, Pampa DB Pampa College, Parumala,



Chengannur Christian College, Sree Ayyappa College, Eramallikkara participated. Students presented papers on plastic pollution, water pollution, solid waste management. The students performed very well in the session and presented various ideas about pollution, plastic pollution, waste management, water pollution etc. The presentations were judged by an eminent panel and prizes were distributed to good presentations with good themes







The seminar ended by 3.30 Pm, June 21<sup>st</sup> 2018 by valedictory function, inaugurated by College Principal Dr. K.S. Anil Kumar. Prizes were distributed to the winners of oral and poster presentations. Dr.Nitha.B, Convener and HOD Department of Biochemistry & Industrial Microbiology delivered vote of thanks.







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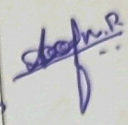
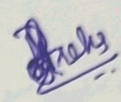
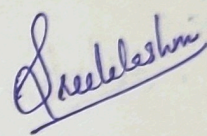
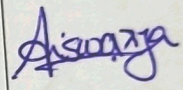
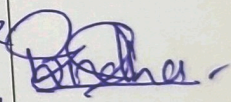
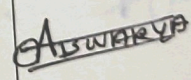
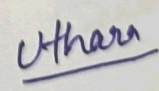
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SREE AYYAPPA COLLEGE, ERAMALLIKKARA, 20<sup>TH</sup> & 21<sup>ST</sup> 2018

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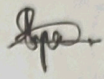

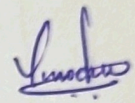
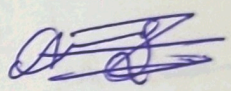
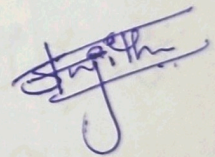

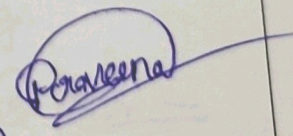


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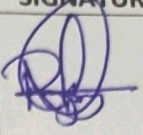

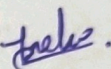
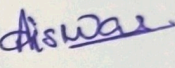

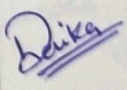
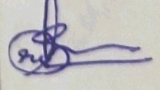


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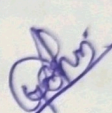
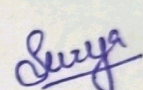

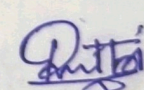
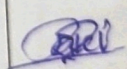
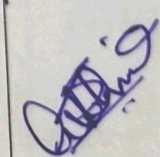
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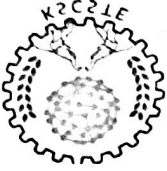
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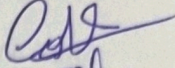


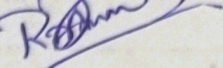

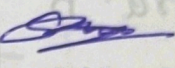

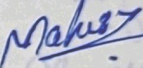
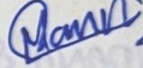
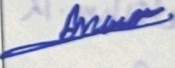

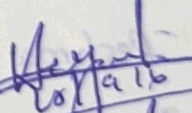
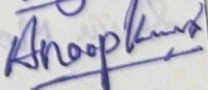
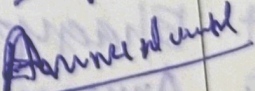
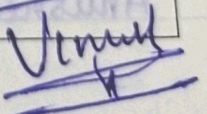
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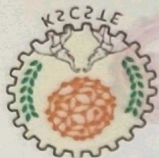
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(16)	GOKUL. G	Sree Ayyappa college	
(17)	ABIN. A	SREE AYYAPPA COLLEGE	
(18)	Sidharth Prasad	Sree Ayyappa College	
(19)	Adun. Moais.	"	
(20)	ASwanth MS	"	
(21)	Sanoop. Krishnan	"	
(22)	Ajith. G.	"	
(23)	Muhammad shiras	"	
(24)	Makeesh. V. pillai	"	
(25)	Maan. Vijayan	"	
(26)	Alexa Devan	"	
(27)	Anu Thomas	"	
(28)	Arjun S Kumar	"	
(30)	Anoop's Kumar	"	
(31)	Ammu V Nair	"	
(32)	Vinu VS	"	





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THREATS AND SOLUTIONS

ORGANIZED BY

DEPARTMENT OF BIOCHEMISTRY & INDUSTRIAL MICROBIOLOGY

SREE AYYAPPA COLLEGE, ERAMALLIKKARA, 20<sup>TH</sup> & 21<sup>ST</sup> 2018

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(33)	Austin James T-S	Sree Ayyappa college	
(34)	Hareesh Kumar V	"	
(35)	Abhinav. U	"	
(36)	Midhun Chandran	"	
(37)	Soju Achankunju	"	
(38)	Nisarth B. Periekes	"	
(39)	Jinu. K. Wilson	"	
(40)	Praveena. P.S	"	
(41)	Sreedha Suckumar	"	
(42)	Aswathy. M.V	"	
(43)	Pragya Lakshmi. K	"	
(44)	Rahul. L	"	
(45)	Anoj. P. Raj	"	





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(46)	Aritha Renu	"	
(47)	Sujith S	"	
(48)	Vineeth K	"	
(49)	Shreelekshmi G	"	
(50)	Pooja Hanikuttan	"	
(51)	Prarthi P	"	
(52)	Manohar B	" bat	
(53)	ABHISHEK S NAIR	"	
(54)	Ajith S	"	
(55)	Amal A	"	
(56)	Michesh M	"	
(57)	Vineeth	"	
(58)	Lekshmi	"	
(59)	Jothi S	"	
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(60)	Shreha mol. S	"	
(61)	Vismaya Vijayan	"	
(62)	Rithra S	"	





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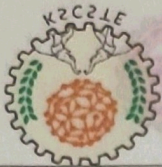
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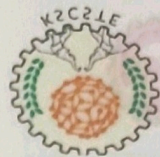
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(63)	Arusha S. kumar	Sree ayyappa college	Arusha
(64)	Parvathy Murali	"	Parvathy
(65)	Akhila kumari A.G	"	Akhila
(66)	Arya seekumar	"	Arya
(67)	keerthi krishnan	"	Keerthi
(68)	Prathyusha Paasannan-a	"	Prathyusha
(69)	Sreelekshmi-SR	"	Sreelekshmi
(70)	Deepu S	"	Deepu
(71)	Sreethi mol	"	Sreethi
(72)	ARUN T.R.	"	Arun
(73)	Renu prasad	"	Renu
(74)	Akhila Amil	"	Akhila
(80)	manu kumar	"	Manu





(81)	Aswani, S	"	
(82)	Neethu Raj.	"	
(83)	Archan's Kumar	"	
(84)	Anju's Kumar	"	



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SLNO	NAME	ADDRESS	SIGNATURE
95	Reeja Stephen.	"	
(86)	Devika..R	"	
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(88)	Deepu's Nair	"	
(89)	Arjun Mohan.	"	
(90)	Gayathri	"	
(91)	Vineetha	"	
(92)	Ranjana.P.R	"	
(93)	Praveena Pradeep	"	
(94)	Sreelekshmi.S	"	
(95)	Surya T.R	"	
(96)	Anjali.R	"	
(97)	Preethika	"	
(98)	Anja.	"	
(99)	Uthalekshmi	"	
(100)	Akhila lekshmi	"	

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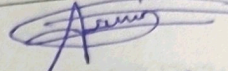
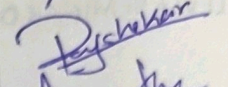
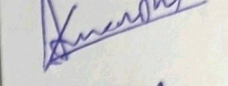
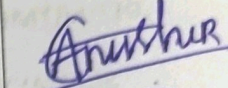
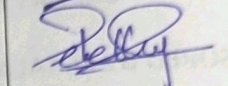
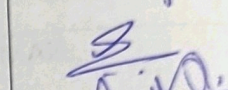
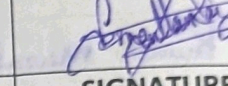
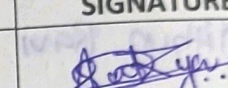
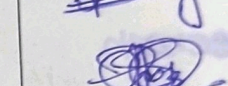
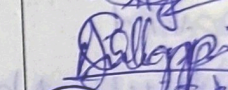
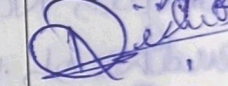
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102	Mithun Ravi	"	
103	Saeeenath	"	
103	Aarvind	"	
104	Abhijith Nair	"	
105	Sudheesh Kumar	"	
105	Vinu Prasannan	"	
106	Anya Mohanan	"	
107	Nishad Krishnan	Sree ayyappa college	
108	Rajith Reghu	"	
109	Devathi S	"	
110	Aarav	"	
111	Sooraj S	"	
112	Subin S	"	
113	Vijin Krishnan V	"	





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115	RAJSHEKAR NAIR		
116	Anandhu S Kumar		
117	Anusha .U .R		
118	Preethy .S		
119	Reema		
120	Pona . K . Nair		
121	Sueya . R		
122	Pooja . S		
123	Anoop . C		
124	Reshma Raveendran		
125	Nithin . M		