

KUMARI ARIVIAL PERAVAI
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YOUNG SCIENTISTS PROGRAMME 2021-2022
SUSTAINABLE LIFE
Young Scientist Selection List 2021-2022



Released by **Dr.T.James Wilson**, *Chairman, Sigma College of Architecture, Moododu*
Received by **Mullanchery M Velaian**, *Organizer Kumari Arivial Peravai*
On 24-10-2021

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YOUNG SCIENTISTS PROGRAMME 2021-2022

SUSTAINABLE LIFE

RESEARCH TOPIC - **ECOLOGICAL SUSTAINABILITY**

**A-GREEN TEAM
OFFLINE**

1. Concept of ecology
2. Concept of the ecosystem
3. Structural and functional aspects of ecosystem
4. Productivity concept of ecosystem
5. Food chains and food webs in ecosystems
6. Interactions among the species and their effects
7. Sustainable management of forest ecosystem
8. Sustainable management of Marine ecosystem
9. Eco friendly food habits
10. Sustainable management of Urban ecosystem
11. Ecosystem restoration & Solutions to contain eco system damage
12. Study on ecosystem of Kanyakumari district

M S ANU SREE (L)	ST MICHAELS MATRIC HSS, KATTATHURAI, MARUTHOORKURICHI	9952859248
S ARCHANA (CL)	N M VIDYA KENDRA SENIOR SECONDARY SCHOOL, CHITHARAL	9789411797
EVAN DISHANI ROSE D	APJM MATRIC HSS SOOSAIPURAM	9486136651
BENITILIN N	VICTORY MATRICULATION HSS MYLODE, ALENCODE	9487369877
S BENISHA	HOLY ANGELS MATRIC HSS CHENTHARAI KEEZHKULAM	9443259281
ABIEU S BENAS	BETHLAHEM MATRIC HSS, MOOSARI, KARUNGAL	7373818304
CHARIS DARLIN R J	ST JOSEPH'S MATRIC HSS, MULAGUMOODU	7358950320
A. VIVIN JAY	SCOTT CHRISTIAN H S SCHOOL, NAGERCOIL	8438646116
SREE RAM S R	NVKS SENIOR SECONDARY SCHOOL, ATTOOR	9442427977

Team Coordinator : Thiru.M.John Rabikumar 9489826220, ISRO Rtd Propulsion Complex, Mahendragiri.
General Consultants : Tmt.R.R.Rekha 9487002300 AHM Govt. High School
: Thiru.P.Gopalan 9442301587 Administrator, Excel Group of schools
: Dr.T.James Wilson 9750976611 Chairman, Sigma College of Architecture, Moododu.
: Er.Lebonah, Scientist IPRC Mahendragiri
: Dr.A.D Sobanaraj 9487318481 Environmental Scientist.
: Thiru.D.Samraj AEEO Rtd 9443608215
: Agri.Kavigeedha D.V 9489764075
: Dr.T.Sakthikumar 7418991292 Asst.Prof ., Govt.Ayurveda Medical College,Nagercoil
: Dr.S.Pandian, Distinguished Scientist,Former Director SHAR

Scientist : Er V.T.Puthiavan 9443173721, Deputy Project Director Rtd, ISRO Propulsion Complex Mahendragiri

We are happy to inform you that the above students are selected for the Young Scientists Programme 2021-2022

Thank you

Mullanchery M.VELAIAN,

Organizer Kumari Arivial Peravai

Mulamkuzhi-629162, Phone **9942758333**

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YOUNG SCIENTISTS PROGRAMME 2021-2022
SUSTAINABLE LIFE
RESEARCH TOPIC- **WATER SUSTAINABILITY**

B-RED TEAM
OFFLINE

1. Science of water, Water cycle & Sources of water
2. Sustainable management of watersheds
3. Sustainable management of water bodies
4. Water conservation
5. Water distribution
6. Water harvesting
7. Water security
8. Water sustainability for future needs
9. Clean water for all
10. India's water needs and supply a study
11. Study on water bodies of Kanyakumari district
12. Study on water pollution in Kanyakumari district river

S JASEENA (L)	EXCEL CENTRAL SCHOOL, THIRUVATTAR	9746542170
MAGLINE FOWZIA M (CL)	APJM MATRIC HSS SOOSAIPURAM	9894588319
ADLIN SHILBA A S	PPM HSS ANDUCODE	8300913105
J S JERSONA	BETHANY NAVAJEEVAN SENIOR SECONDARY SCHOOL, VENCODE	7598620367
V S VISHAL	N M VIDYA KENDRA SENIOR SECONDARY SCHOOL, CHITHARAL	9786757387
S J SANJAY	KABDM HSS PAINKULAM	9445412078
CHENTHAMIL KUMARAN T M	ADLINE MATRIC HSS, KUZHUMAIKADU	9629703404
P J FERRIS HEZRON	AMSI HIGH SCHOOL, AMSI, THENGAPATTANAM	9159908195

Team Coordinator : Tmt.Shini Angel Teacher 8903938684
General Consultant : Thiru.Satheesh Kumar 9487015899 Principal, NM Vidya Kendra Senior Secondary, Chitharal
: Thiru.G.Bergin 9443582772 P.G.Asst.Govt.H.S.S.Sayalkudi
: Capt.P.Bennet Singh 9442270512 Pilot, Tuticorin port
: Selvi.Dani Rovas 7598855750
: Dr. J.Clarence Davy 9489284953 Principal, Ayurveda College Nagercoil
: Dr.A.Jayalal 9443160026 Professor and Head, Govt. Medical College, Tirunelveli
: Dr.P.Samraj 9442964033 Agricultural scientist
:Thiru. Nellai Su.Muthu Rtd. Scientist VSSC/ ISRO , Thiruvananthapuram

Scientist : Er.L.Muthu 09495628881, Dy.Director ISRO Valiyamala Rtd

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RESEARCH TOPIC- **ENERGY SUSTAINABILITY**

C-MAROON TEAM
OFFLINE

1. Fossil Fuels and its sustainability
2. Conventional energy systems/impact on climate
3. Renewable energy
4. Alternative energy sources for sustainable future
5. Cost compatibility of alternate energy
6. Energy Storage systems
7. Smart grid and distribution
8. Sustainability and Energy Use
9. Energy Conversion Technologies and status
10. Energy Efficiency in Buildings
11. India's energy production , distribution a study & targets for achieving India's energy needs for future
12. Nuclear Energy - is it a green energy?

HARI NANDHANA B H (L)	EXCEL CENTRAL SCHOOL, THIRUVATTAR	9486245403
ANJANA VARSHA A (CL)	EXCEL GLOBAL THIRUVATTAR	9488347855
REJO A	APJM MATRIC HSS SOOSAIPURAM	9943481339
B.S.AKSHERA	SREE VIVEKANANDA MATRIC. HR.SEC. SCHOOL. KOTTUMANGALAM	9489285464
AROCKIA REVERA R	AMRITA VIDYALAYAM, KANYAKUMARI	9442247503
R A APARNA	NVKS SENIOR SECONDARY SCHOOL, ATTOOR	9488409392
S R GLOSSY DELFIAH	SMR NATIONAL SCHOOL, LOTUS PARK, CHERUPPALOOR, KULASEKHARAM	8300303398
ROHIT J	BETHLAHEM MATRIC HSS, MOOSARI, KARUNGAL	9786937840

Team Coordinator : Thiru.B.Sunil Kumar, General Manager, Cryptox Bio Solutions, 9442382100
General Consultants : Tmt.S.Deepa, Teacher 9489285540
: Dr.Y.Arul prakash 9443450618 Medical Superintend, Govt Medical College, Nagercoil
: Thiru.P.K.Raghul, 8248649294
: Dr.Annie Freeda PG Asst SLB HSS, Nagercoil
: Dr.R.Satish kumar 9487274437 Headmaster, PPM H.S.S., Aunducode
: Thiru.J.Joe Prakash 9443323648 Coordinator, National Green Crops
: Er.V.V.Vinoth 9488271175 President, Mullanchery V.Muthaian Educational Trust
: Thiru.Mangavilai D.Rajendran, 94422 51344 Former Program Executive AIR, Nagercoil
: Dr.N.Sivasubramanian 9442134624, Chief General Manager Rtd., ISRO Valiamala

Scientist : Er.S.Ingersol 9442366461 Group Director Rtd, LPSC/ISRO Bangaluru

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RESEARCH TOPIC- **LIVELIHOOD SUSTAINABILITY**

D-BLUE TEAM
OFFLINE

1. Eco friendly farming
2. Eco friendly Infrastructure
3. Eco friendly Industries
4. Green Product development
5. Eco friendly Packaging, logistics and transportation
6. Eco Tourism
7. Control of plastic menace
8. Environmental issues & solutions
9. Progress towards Sustainable living & Preserving resources for future generations
10. India's eco-friendly initiatives
11. Legal approach towards Sustainable living
12. Eco friendly development model for Kanyakumari

RINO S (L)	SMR NATIONAL SCHOOL, LOTUS PARK, CHERUPPALOOR, KULASEKHARAM	9442903025
AKSHARA R P (CL)	NVKS SENIOR SECONDARY SCHOOL, ATTOOR	8903100301
REJOH SAMUEL J L	EXCEL GLOBAL THIRUVATTAR	8903673825
G S VIGASH	HINDU VIDYALAYA MATRIC HSS KAPPIYARAI, KARUNGAL	8954784034
NAVANEETH GOVIND	ARUNODAYA VIDYALAYA MATRIC HSS MANJALUMOODU	8903251368
ASHNI J V	BEST SENIOR SECONDARY SCHOOL, PALLOR	9047149925
JEMIN FRANKO J	ST JOSEPH'S MATRIC HSS, MULAGUMOODU	9715293256
F AKIN DANIEL	ST MARY GORETTY H S S MANALIKARAI	8344396316

Team Coordinator : Dr.Dhanya R.P 9443607493 Asst.Prof.N.I Arts and Science College Kumarakovil
General Consultants : Thiru.L.Edwin Sam 9443486850 Social Scientist
: Thiru.V.Sundararaju IFS 9443170366 Dist. Forest Officer Rtd
: Tmt. Malarvizhi P.G. Teacher Govt. HSS.
: Selvi. Gby Atee 9488469167
: Dr.N.Azhagesan,9443580401 Principal DMI College of Engineering, Chennai
: Thiru.C.Sajeev 9443607744 Human Resource Motivator.
: Er. V. V. Vikram 9976688272, Schneider Electric India Private Limited, Coimbatore
: Dr.J.Sriram 9486811230 Government Siddha Medical College, Tirunelveli
: Padmasree Er.V.Gnana Gandhi Sr.Vice president Skyroot Aerospace

Scientist : Er.P.Palvannan 9489208941 Dy.General Manager Rtd, ISRO Propulsion complex

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RESEARCH TOPIC **CLIMATE SUSTAINABILITY**

**E-YELLOW TEAM
OFFLINE**

1. Basic concepts of climatic science
2. Climate change, Greenhouse effect and global warming
3. Carbon Sequestration
4. Health challenges due to climate change
5. Economic impact due to climate change
6. Disaster Management
7. Actions for control of climate change & Zero carbon emissions
8. Negative emission programs
9. Advance tools for ecosystem analysis – Remote sensing (RS) and Geographic Information Systems
10. International conventions and global initiatives
11. India's Sustainable development initiatives
12. Study on sea level raise of Kanyakumari coastal

ELENA JOEL P (L)	EXCEL GLOBAL THIRUVATTAR	8903705802
A.S.ARUN JOEL (CL)	SREE VIVEKANANDA MATRIC. HR.SEC. SCHOOL. KOTTUMANGALAM	9944373603
SANJEEV A	S.R.K.B.V Mat HSS, PODANILAM, KULASEKHARAM	9345814377
RISHMAYA R	EXCEL CENTRAL SCHOOL, THIRUVATTAR	7598341283
E S AKI SUPRAJA	BELFIELD MATRIC HSS ASARIPALLAM	9677302528
GOHULA LINGESH R M	SREE KRISHNA HINDU VIDYALAYA MATRIC HSS KANCHINAGAR	9943728069
SURYA SHIBU BALASUBRAMANIAM	NVKS SENIOR SECONDARY SCHOOL, ATTOOR	9385615207
A LIJIN	N M VIDYA KENDRA SENIOR SECONDARY SCHOOL, CHITHARAL	7397105502

Team Coordinator : Thiru.P.Balakrishnan 9443740436 Head Master Rtd
General Consultants : Dr.A.Helen Sonia, 8903434129 Vice Principal SA Raja Pharmacy college, Vadakkankulam
: Thiru.S.Johnson 9442052155 Correspondent, RC Schools
: Dr.Sugin Herbert 9443462137 Medical officer, Govt. Hospital ,Thuckalay
: Tmt.Pabitha 8973816080 Teacher
: Dr.T. Prabhu 9941765042 Asst Professor TNAU, Pechiparai
: Thiru.S.Thiruvengadam 9442574353 Dist.Employment officer Rtd.
: Er.S.Rajeshwari 9843757257 Manager,ISRO Propulsion Complex, Mahendragiri.
: Dr.K.Vijayakumar 9443161102, Past National President, Indian Medical Association.
: Er.D.Karthikesan, Outstanding scientist, Former Director,IPRC/ISRO Mahendragiri

Scientist : Er. T.Perumal 9444529852 Deputy Project Director, IPRC/ISRO Mahendragiri

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