

Consume with care

I. Natural Resources, (Water, Land, Air & Bioresources)

1. Water resources- an overview.
2. Protection of water bodies- traditional ways.
3. Water crisis, scarcity & stress.
4. Water management
5. Types of **land**
6. Uses of land
7. Maintaining soil fertility- traditional methods.
8. Land degradation, contamination, conservation & preservation.
9. **Air** pollution – causes and effects
10. Prevention of air pollution
11. Natural air for a healthy living
12. Bio resources- Man's interdependence with bio resources
13. Loss of species- Human's role.
14. Failing monsoons- reasons and causes.
15. **Conversion of Land & water bodies for other purposes - a case study**
16. **Abandoning/ destruction of water bodies in Kanyakumari District- a case study .**



II. Agriculture



1. History of Agriculture
2. Methods used in Traditional Ag. Practices
3. Agriculture in accordance with climate and soil conditions.
4. Agriculture Management
 - a. Soil management
 - b. Seed management
 - c. Weed Management
 - d. Pest and disease control
5. Ag. & Biodiversity (Role of Birds, Animals, Insects , air, water etc in Ag.)
6. Production and uses of organic fertilizers
7. Production and uses of organic pesticides.

8. Challenges in traditional Ag. Practices
9. Modern Agriculture & Green Revolution
10. Status of Farmers in India
11. Will Organic Ag. Cater to the need of the growing world population?
12. **Shrinking of Ag. Land Area and Ag. Practices in Kanyakumari District- a field study.**
13. **Effects of Organic fertilizers & pesticides in Kanyakumari dist(land & water bodies)-study.**

III. Food

1. Traditional Food Practices
2. Types of Food
3. Balance diet and traditional food
4. Food security- Ancient system & modern methods
5. Food preservation – Traditional & modern methods
6. Foods crisis and organic food
7. Elimination of Malnutrition using natural food.
8. Food production & consumption in India



9. Medicinal value of some common food items.
10. Packed food a curse or cure?
11. Food waste
12. Food & health
- 13. Traditional food habits in Kanyakumari Dist-study**
- 14. Medicinal plants available in Kanyakumari dist-Study.**

IV. Energy



1. Energy from oil ,Coal & Gases
2. Clean Coal Energy, CO2 sequestration
3. Availability of oil and coal for the future
4. Bio fuels
5. Wind energy
6. Ocean Energy(Tidal, Wave & Ocean Thermal Energy)
7. Geo Thermal energy
8. Hydrogen energy & fuel cell
9. Hydrogen generation from bio resources
10. Solar Energy
11. Photo Voltaic Cell and its efficiency
12. CNT solar cells & Concentrated Solar Power (CSP)
13. Space based solar power

14. Nuclear Energy
15. Nuclear safety
- 16. Radiation & health of coastal people in Kanyakumari District- a study**
- 17. Global warming- Increase in temperature, a case study in Kanyakumari district.**
- 18. Production of Bio fuels using available native plants/waste from Kanyakumari dist- study.**

V. Industrialization

1. History of Industrialization
2. Food Industry
3. Water Industry
4. Agriculture – an Industry
5. Air- Good air can you afford today?
6. Health Industry
7. Manufacture of Consumer and cosmetics.
8. Industrial Development and its contribution to modern life.
9. How traditional medicines have been converted into modern Pharma industry.
10. Marketing strategies & Advertisement
11. Zero Waste management.-6 R's.
- 12. Industries in Kanyakumari District and their impact on environment-a study**
- 13. Bottled water a source of soil and water pollution- study.**



குமரி அறிவியல் பூரணம்

இனம் வித்தாணிகள் ஆரம்ப 2015-2016

ஆலோசனைக் குழு

1. Mr. Sobana Raj

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KUMARI ARIVIAL PERAVAI

YOUNG SCIENTISTS PROGRAM 2015-2016

TOPIC DISCUSSION MEETING

SCOT CHRISTIAN HIGER SECONDARY SCHOOL

NAGERCOIL

20-6-2015, 4.00 PM

CONSUME WITH CARE

Participants list

14. Mr. Perumal

15. Mr. Clarence Dery

16. Mrs. Rekha

17. Mrs. Pabitha

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20. Mrs. Anish

21. Mr. Mullaicheri Velayyan

22. Mr. Shiba Tad

23. Mr. Sujin Herbert

24. Mr. P. Sathya Kumar