

REPORT OF WORKSHOP ON WATER QUALITY MANAGEMENT

Clean water has become a precious commodity in Kerala and its quality is deteriorated by activities such as agricultural discharges, domestic sewage and industrial effluents. The ground water contamination is a socio-economic problem which receives considerable attention in modern industrialized society. In order to give awareness on ground water contamination, drinking water treatment methods and ground water protection measures to the locals, a workshop was organized by the Department of Chemistry and the Bhoomithrasena club of Sree Narayana Guru College, Chelannur in collaboration with the Centre for Water Resources Development and Management, Kunnamangalam on 16th July 2015.

Mrs. Shini.M, Assistant Professor, Department of Chemistry gave the welcome address. The function was inaugurated and presided over by Prof. C. Vinod Kumar, Principal of the college. Prof. Mayadevi, co-ordinator of IQAC offered felicitation. The technical session was handled by Miss. Shiji, technical officer of CWRDM and Miss. Bindyamol, research fellow of CWRDM. They gave a detailed account of ground water and surface water quality in Kerala, water quality monitoring techniques and water treatment processes. They pointed out that the ground water problems in Kerala are associated with the mineralogical origin, adverse human interferences, industrial effluents, municipal solid waste disposal grounds etc. They explained the techniques for water quality monitoring. They further explained the various processes of water treatment such as storage, coagulation, flocculation, sedimentation, filtration, disinfection and the traditional methods of treatment *ie* by using neem leaves, seeds of drumstick, tulsi leaves, dried and burnt banana peel ash, burnt lime stones, papaya leaves etc. The interaction session was lively with active participation of students as well as the locals. The participants asked questions about the various local water issues - the Canoli canal pollution, the quality of water coming out through water purifiers, cause of yellow colour and oily layer on open well water etc.

Besides the Bhoomithrasena club members, around fifty locals, all the VI semester BSc Chemistry students of Sree Narayana Centre for Advanced studies

and ten plus two students of Sree Narayana Trusts Higher Secondary School were participated in the programme. The programme ended with vote of thanks by Mrs. Nimisha Babu Raj, Assistant Professor, Department of Physics.

The programme was interesting and informative and besides that the CWRDM offered to conduct the quality analysis of twenty drinking water samples. Bhoomithrasena club members collected the water samples from nearby houses (Chelannur panchayath, Vard No: 6) and handed it over to CWRDM.



INAUGURATION-Prof.C.VINOD KUMAR (PRINCIPAL)



WATER SAMPLES –FOR QUALITY ANALYSIS



PARTICIPANTS

