

Green Processes for Pigment Industry

DST, as part of its Green Chemistry programme, organized an interaction meeting with industrialists of pigment industry at Ankleshwar, Gujarat. The purpose of the meeting was to hear the problems faced by the pigment industry (mainly copper phthalocyanine based) and provide scientific solutions to them. Based on the presentation and discussion at the meeting, the following four problems have been short-listed for providing solution:

1. Replacement of aluminum chloride and salt in the production of CPC-green.
2. Increase the number of substituted chlorine atoms from 15 to 16 in the chlorination process.
3. Recovery / replacement of aluminum molybdate catalyst.
4. Reduction / replacement / disposal of sulphuric acid.

Researchers, who are interested to provide solutions to all or any of these issues, are requested to send a two-page write-up on each of them to the undersigned at the earliest. It is proposed to generate collaborative projects with industry on these issues. Flow chart and mass balance of the processes can be obtained on request. The write-up may be sent before 25th June, 2008 by email to the following address:

Dr. R. Brakaspathy
Advisor / Scientist 'G'
Department of Science and Technology
New Mehrauli Road,
New Delhi- 110 016
Ph: 011- 2652 2815, 26590270
Email: rbpathy@nic.in