

## **Profile**

### **Nitin Shankar Deshpande**

A. J Riverview, 33/34, Shamsundar Society,  
Near Mhatre Bridge, Pune 411 030, Maharashtra, India  
Cell: +91 9011014004  
Email: [nitin@triochem.in](mailto:nitin@triochem.in)



### **PRESENT ASSIGNMENT:**

- 1) Director of E-Waste Global
- 2) Chairman and Managing Director of Trio-Chem Group of Companies engaged in:
  - Setting up BioCNG projects from Agriculture residue in Tapi (tribal district of Gujarat).
  - Setting up 10 BioCNG projects from agricultural residue along NH-24 (Delhi - Lucknow highway), which Uttar Pradesh government has declared as Green Highway.
  - Setting up BioCNG projects using agricultural residue in Haryana and Punjab with National Agriculture Co-operative Marketing Federation of India (NAFED).
  - Setting up BioCNG plant from 25 MT of Food Waste and modernization of Goshala in Chandrashekhar Azad University of Agriculture and Technology, Kanpur, Uttar Pradesh, under Green University Initiative.
  - Advisory Services in Environmental Science.
  - Design, manufacturing and commissioning of large turnkey projects in the field of Waste Management, Distilleries, Sugar, Co-generation, Water and Waster Water Treatment.
  - Municipal Solid Waste Management
  - Microbial Cultures, Organic Fertilizer and Pro Biotic Animal Feed Supplement.
  - Total Water and Waste Water Management Solutions
- 3) Chairman, "Samshodhan Dnyan Vichar Pratishtan" (SDVP). SDVP is a public trust conducting VISSR which is a recognized Post Graduate Institute and PhD center in Savitribai Phule Pune University since 2006.
- 4) Chairman, Maharashtra Chapter and Ex-General Secretary, National

Solid Waste Association of India (NSWAI)

- 5) Member, Technical Sub Committee for Environmental Issues at Jawaharlal Nehru Port Trust (JNPT), Nhava Sheva.
- 6) Ex-President and Advisor, Environmental Club of India (ECI), Pune.

**Founding/Life member for following Non Governmental Organisations (NGOs):**

- Aapla Parisar, Pune
- Trinetra Foundation, Vangani.

**FELICITATIONS AND AWARDS:**

- Award of Excellence by International Association of Professionals in Sugar and Integrated Technologies (IAPSIT), Thailand.
- Lifetime achievement award by Chandrashekhar Azad University of Agriculture and Technology, Kanpur, Uttar Pradesh for the work in Bio-composting.
- Lifetime achievement award by Deccan Sugar Technologists' Association (DSTA), at Joint convention with Sugar Technologists Association of India (STAI) in Goa.
- Felicitation by North Indian Sugarcane and Sugar Technologist's Association (NISSTA) at Joint convention with Cogen India in Lucknow.

**Also worked as an Officer on Special Duty (OSD) in Maharashtra Pollution Control Board, Mumbai from 2003 to 2006.**

**CORPORATE OBJECTIVES**

- Treatment & disposal of organic waste (liquid as well as solids), with an aim of achieving Environmental Protection through sustainable development.
- Indigenization of composting technology, through the manufacture of equipments & microbial cultures required in the composting.
- Formulation of guidelines for achieving zero effluent discharge as corporate responsibility by the distilleries.

- Providing a total solution for the treat and disposal of spent wash under one umbrella.
- Helping the distilleries in poor economic condition to improve their environment protection activity by providing funds through CDM / Carbon credits.
- Propagating innovative ideas and modern technologies for the environmental protection in the distillery sector, all over the world on the lines of protocols established by Ministry of Environment and Forests, Government of India.

### **SOCIAL OBJECTIVES**

- To conduct a feasibility study for the project 'Save Ganga and Clean and Green Rishikesh' ( A vision of His Holiness Sri Sri Ravishankarji), under the aegis of 'Art of Living' Foundation to its logical conclusion.
- Create awareness through Sunetra (Meenatai) Shankar Foundation for:
  - a) Environment, Public Health and Safety.
  - b) Introduce to children, the works of various Saints from Maharashtra, through Ved Path Shaala.
  - c) Public toilets/Wash Rooms for Women in rural areas.

### **ACHIEVEMENTS:**

- Instrumental in introducing the concept of 'Bio-Earth' in India
- Instrumental in the introduction of composting technology for the treatment and disposal of distillery effluent.
- Introduction of the concept of auto spraying system for spraying the spent wash (distillery effluent).
- By virtue of being a member of Deccan Sugar Technologists Association (DSTA) co-ordinated amongst various sugar factories, Commissioner of Sugar, Pune for safe disposal of their remedial methods.
- Created awareness and ensured implementation, amongst Elected Representatives, Industry Associations and Government authorities regarding requirement of amendment in Public Hearing Procedure Notification, which unnecessarily delays the procedure of getting Environmental Clearance for projects, by informing to Hon. Prime Minister and most of Parliament Members and Parliamentary Committee members.
- Successfully offered total water management solutions to government

undertakings such as:

- a. Central Railway for recovery of oil from bogie washings and recycling of this water.
  - b. Recycling of wastewater of the Hindustan Antibiotics, the biggest Pharmaceutical unit of Government of India .
  - c. Maharashtra State Road Transport, for recycling of water used for washing the vehicles.
- Recipient of “Paryavaran Gaurav” award by Maharashtra Pollution Control Board.

### **OTHER SIGNIFICANT CONTRIBUTIONS IN POLLUTION CONTROL FIELD FOR DISTILLERIES**

- Participated in finalizing the latest guidelines for composting formulated by Central Pollution Control Board.
- Nominated as a Technical Advisor to Maharashtra Pollution Control Board in finalizing Guidelines for composting.
- Instrumental, through awareness program, in shifting the process from anaerobic to aerobic composting in distilleries.
- Conducted Awareness programs to popularize the use of compost/organic farming.
- Felicitated by All India Distillers Association and The Deccan Sugar Technologists’ Association - the prime governing institutions in India in their respective fields - for our contribution in the field of composting/organic farming.
- Instrumental in amendment of the public hearing notification No. 318 (E)  
“Public hearing procedure is not required for SSI units which are located in Govt. approved industrial area.
- Advised Vasantdada Sugar Institute, Pune, India, a prime institute in sugar industry, in finalizing the guidelines for designing and construction of compost yard.
- Assisted the Impact Division of Ministry of Environment and Forest for

finalizing the guidelines for composting methodology.

- Carried out massive tree plantation programmes
- Written and presented over 2500 street plays creating awareness on environment and water scarcity.
- Carried out awareness programmes for Rain Water Harvesting, Solar energy and MSW management.
- Executed maximum composting projects out side India in countries like Nepal, Bangladesh, Thailand, Indonesia, Columbia and Paraguay.

#### **ENVIRONMENTAL STUDY TOURS**

- Undertaken environmental study tours to USA, UK, Abu Dhabi, Brazil, Columbia, Philippines, Vietnam and Thailand.

#### **PAPER PRESENTATIONS**

- Environmental Pollution Action Control Plan for the Distilleries in Vietnam
- Evolving Suitable Treatment and Disposal Methods for Spent Wash Generated by Distilleries in Thailand.
- Distillery Effluent Management and Evolving Standards for the Future for Distilleries in Indonesia.
- 'Guidelines for O and M of Composting' – Project for Treatment and disposal of spent wash in Distilleries
- Successful composting of Spent Wash obtained from the reject stream of the Reverse Osmosis (RO) system using TAS BIOCOM process to achieve Zero Discharge.
- Review of Composting Technology used for treatment and disposal of Spent Wash by distilleries in India.

- Carbon Credits/Clean Development Mechanism and its potential in sugar and distillery industries.
- Total Distillery solutions under one roof-Trio-Chem- DSTA Paper
- A comprehensive guide on Bio-composting with case studies.

## **Memberships**

- Institute of Brewing & Distilling, Scotland
- The composting Association , USA
- Organic Recycling Association, UK
- Indo German Chamber of Commerce
- National Solid Waste Association of India
- Waste Management Association of Australia
- Mahratta Chamber of Commerce Industries and Agriculture, Pune, India.