

## Second Nature Education Camp (Rajpipala Forest)

(November 28-30, 2010)

Shri B. M. College of Pharmaceutical Education and Research, Modasa under the leadership of Principal Dr. N. M. Patel had organized second nature education camp at Rajpipala forest during November 28-30, 2010 to fulfill the objectives of Indian Society of Pharmacognosy, Gujarat chapter. Thirty seven post graduate students and seven teachers from six pharmacy colleges of Gujarat state were participated. All the participants from different places were gathered at Forest Colony near Kevdia Colony at Saradar sarovar (a dam on Narmada River), district Narmada at 11:00 am. Participants had visited the Information Center of Shulpaneswar Wild Animal Sanctuary. Curator had explained about the knowledge for preparing plant herbarium of different wild species. After lunch delegates had visited hydroelectric power station in a tunnel under Narmada dam, viewpoints, lakes and opening of canal. Lastly we reached at Vishal Khadi, in the catchment area of Karajan dam 22 km. away from Rajpipala at 8:30 pm. After dinner there was a camp fire under the leadership of Dr. Rakesh K. Patel (Kherva), Dr. Amit A. Patel (Modasa) and Dr. Veenit C. Jain (Surat) from 9:00 pm to 11:30 pm. During the camp fire students had interacted with the faculty and discuss subject related matters. Participants had ever remembering experience like, no mobile tower, no light and presence of scorpion in rooms, while staying at Vishal khadi. Girls were accommodated in rooms and gents in tents.

Next morning everybody was in the lap of nature and seen rising sun from mountains, flying and singing birds. Our journey was started from Vishal khadi to Ninai fall 70 km. away. All delegates had acquired the information regarding different species growing surrounding to Ninai fall. Lunch was arranged at the same place. All participants returned to Vishal khadi at 5:00 pm and enjoyed boating for one hour. It was enjoyable moment for all. Quiz competition was held among students after dinner during camp fire. Students were interacted each other and discussed their experiences and finally entertained by Ras-Garba.

Next day, after taking breakfast at 8:00 am started journey from Vishal khadi to Forest Research Centre, Vadia Palace, Rajpipala. Mr. N. P. Mevada, Range Forest Officer and Dr. Hasmukhbhai Patel, Ayurvedic Medical Officer had welcome and shown different sections of Forest Research Center, Ayurvedic Medical garden and Ayurvedic pharmacy as shown below.

**Nursery Bed:** Participant had gained the knowledge on the precaution and care taken while cultivation and transplantation of plants from seed to the field/land/farm. Demonstration were given on growing of various species of plants and special care required in transplantation of plants like *Piper longum*, *Embelica ribes*, *Terminalia bellerica*, *Termina cattapa*, *Argyreia newosa*, *Rauwolfia serpentina*, *Cissus quadrangularis*, *Gymnema syvestrae*, *Diosporis cordifolia*, *Eclipta alba*, *Enicostima littrale*, *Glycyrrhiza glabra*, *Gardenia indica*, *Gardenia resinifera*, *Helicterus isora*, *Celastrus paniculata*, *Pterocarpus marsupium*, *Gmelina arbaria*, *Adhatoda vasaka*.

**Ayurvedic Pharmacy:** Mr. A. P. Shah, senior pharmacist, had explained that this Pharmacy is manufacturing the Ayurvedic drugs for all ayurvedic hospitals in Gujarat State. It has various units like Dispensing, Repackaging, Retail counter, labeling etc.

**Ayurvedic Industry:** It has various departments for manufacturing different dosage forms like; tablets, capsules, powders, vati/ghutti, pills, ghrita, bhasma etc. Authorized professionals of respective subsection had given information regarding preparation of Ayurvedic medicine in their department.

Mr. D. P. Nadolakar, senior ayurvedic pharmacist, raw material subsection, had explain the preparation medicinal plant, separation of medicinal parts from other parts, storage condition, packaging and labeling of raw material

Mr. Madhav Dalal, in production unit, had shown the working of tablet coater (pan coating), capsule filler (automatic / semi automatic), capsule sorter (automatic), planetary mixer, sun oven dryer, pills cutter, mass moisture machine and, roller mixer.

Mr. Maheshbhai shah, a senior analyst, ayurvedic medicine in subsection of quality control unit, had described the s quality control parameters required for evaluating the quality of Ayurvedic medicine for different dosage forms. He also demonstrated the working of Roche fibrillator, hot air oven, dissolution apparatus, disintegrator, Monsanto hardness tester.

**Agriculture & cultivation techniques;** Mr. N. P. Mevada, RFO, had given brief description on various techniques now a day adopted in forest research center, Rajpipala like; clone propagation technique for *Ficus bungalensis* from stem, vermin culture fertilizer used in plant tissue culture in the clone propagation technique, green house to maintain temperature and plant growth, germination chamber to germinate the seed capable to produce plant and plant tissue culture for organogenesis, poly house to maintain temperature and humidity in plant tissue culture, 'Plant gene bank' to preserve gene of single species of Teak and *Ficus bungalensis* (Kabir vad) for different areas in Gujarat state.

After the lunch valedictory function was organized at administrative and training department of Forest Research Center at 1:30 pm. Mr. N. P. Mevada RFO, had given concluding talk on the objectives of Nature Education Camp at Forest Research Center, Rajpipala. Dr. R. K. Patel had express vote of thanks to Mr. N. P. Mevada RFO, Rajpipala and his colleague for memorable help and guidance for the tour.

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**Group Photo of delegates  
Ninai fall in Sagai Forest century near Dedipada, Dist. Narmada  
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