

Workshop cum Hands-on-Training on HERBAL PROCESSING TECHNOLOGY

9th-13th Oct 2023

Venue: Computer Hub (Theory Sessions) &
Dept of Herbal Science & Technology (Practical Sessions) ADP College, Nagaon



DBT Sponsored Workshop cum Hands-on-Training HERBAL PROCESSING TECHNOLOGY

Date: 09-13th Oct 2023

Time: 10AM- 2PM

Venue: Computer HUB and Department Of Herbal
Science and Technology, ADP College Campus



Themes

- DAY 1 - Introduction to Herbal Technology, Cultivation and Post Harvest Management
- DAY 2 - Identification of Medicinal Plants, Solvent Extraction Of Crude Drug
- DAY 3 - Phytopharmaceuticals, Phytochemical screening
- DAY 4 - Herbal Drug Formulation, Industry- Academia Interaction Session
- DAY 5 - Commercial Aspects and Scope of Herbal Technology

Organized By
Advance Level Institutional
Biotech HUB
Dhing College, Nagaon

In Collaboration with
Department of Herbal Science &
Technology, ADP College

Organizers:

Dr. Monoj Kumar Saikia, Coordinator & P, Biotech Hub, Dhing College, Nagaon
Dr. Sanjeeb Kumar Nath, Co-coordinator & Co-PI, Biotech Hub, Dhing College, Nagaon
Dr. Mousmi Saikia, M.O, Dept of Herbal Science and Technology, ADP College, Nagaon

Program Schedule

Date	10.00AM-11.00AM	11.00AM-12.00 PM	12.00-12.30PM	12.30-1.00PM	1.00PM-3.00PM
DAY 1: 9/10/23	<i>Inauguration Session:</i> Objectives- Dr. Sadananda Payeng , Principal, ADP College, Nagaon Keynote address- Dr. Sanjeeb Kumar Nath , Coordinator Advance Institutional Level Biotech Hub, Dhing College, Nagaon <i>Lecture 1-Introduction to Herbal Technology by- Dr. Mousmi Saikia, ADP</i>	<i>Lecture 2-</i> Medicinal plants by Dr. Sanjeeb Kumar Nath , Dhing College, Nagaon	<i>Lecture 3:</i> Cultivation and Post-Harvest Processing of Medicinal Plants by- Pankaj Jyoti Chetia , M.Sc 3 rd Sem ADP College, Nagaon	<i>Lunch break</i>	<i>Practical 1-</i> Basic Laboratory Techniques, Collection and Processing of Crude Drug

	College, Nagaon				
DAY 2: 10/10/23	<i>Lecture 4-</i> Identification of Medicinal Plant & crude drug by- Dr. Neeta Basumatary , Nagaon Girl's College	<i>Lecture 5-</i> Herbal Technology: Its impacts on Life in 21 st Century - by Mr. Pranab Borah , Ph.D. Scholar, Cotton University	<i>Lecture 6:</i> Solvent Extraction of Crude Drug by- Monoshwee Tanti , M.Sc 3 rd Sem ADP College, Nagaon	<i>Lunch break</i>	<i>Practical 2-</i> Solvent Extraction of Crude Drug
DAY 3: 11/10/23	<i>Lecture 7-</i> Phytopharmaceuticals by- Ms. Jahnowi Das , ADP College, Nagaon	<i>Lecture 8-</i> Concepts Of Quality Assurance and Quality Control by- Pranjal Boruah , Microbiologist, Bisleri International Pvt Ltd.	<i>Lecture 9-</i> Phytochemical Screening of the prepared extracts by- Syeda Nafesa Anjum , M.Sc 3 rd Sem, ADP College, Nagaon	<i>Lunch break</i>	<i>Practical 3-</i> Phytochemical Screening of the prepared extracts
DAY 4: 12/10/23	<i>Lecture 10-</i> Herbal Drug Industry Prospective by Ms. Bornali Hazarika , Quality Control Executive at LSJ (DXN-Deahsan) Biotech PVT Ltd.	<i>Lecture 11-</i> Herbal Industry Prospects by Mr. Pranab Patowary , Factory PIC, at LSJ (DXN-Deahsan) Biotech PVT Ltd.	<i>Lecture 12-</i> Herbal Drug Formulation by- Deringdao Jidung , M.Sc 3 rd Sem, ADP College, Nagaon	<i>Lunch break</i>	<i>Practical 4-</i> Herbal Formulation e.g.- Gel, Ointment, etc.
DAY 5: 13/10/23	<i>Lecture 13-</i> Commercial Aspects of Herbal Products- by Dr. Mousmi Saikia , ADP College, Nagaon	Validatory	-	-	-

A five days' Workshop cum Hands-on-Training program on "**Herbal Processing Technology**" was conducted at Anandaram Dhekial Phookan College, Nagaon from 9th oct-13th oct 2023 organized by **Advance Institutional Level Biotech Hub, Dhing College, Nagaon**, in collaboration with the **Department of Herbal Science and Technology, ADP College, Nagaon**.

The main objective of the workshop was to create awareness on the indigenous Medicinal and Aromatic plants, its conservation and sustainable use. The workshop also focused on the Research & Development and Herbal drug development strategies. The lectures and discussions were followed by hands-on practical session on Basic Laboratory Technique, Identification of Crude Drug, Solvent Extraction of Crude Drug, Phytochemical Screening of Phytopharmaceuticals and Herbal Drug Formulation.

The program was inaugurated by Dr. Sadananda Payeng, Principal, ADP College, Nagaon followed by a speech by Dr. Mridul Kumar Hazarika, Vice- Principal, ADP College, Nagaon. The keynote address was delivered by Dr. Sanjeeb Kumar Nath, Co-Coordinator, Advance Institutional Level Biotech Hub, and HoD, Department of Botany, Dhing College, Nagaon. Dr. Mousmi Saikia, Organizing Secretary and HoD, Department of Herbal Science & Technology, ADP College, Nagaon delivered the objectives of the workshop cum Hands-on Training.

Technical sessions were started after the inaugural session followed by Hands-on practical sessions each day. Seventy-three (73) undergraduate students from the Department of Botany, Zoology and Herbal Technology from Nowgong Girls' College, Dhing College and ADP College, and eighteen (18) Post-Graduate students of M.Sc. Herbal Science & Technology participated in the program. A total of 105 participants including students, faculty and resource person participated in the event.

Organizing Committee-

- Dr. Biman Hazarika, Principal, Dhing College
- Dr. Sadananda Payeng, Principal, ADP College
- Dr. Sanjeeb Kumar Nath, Co-Coordinator, Advance Institutional Level Biotech Hub, Dhing College, Nagaon.
- Dr. Manoj Kumar Saikia, Coordinator, Advance Institutional Level Biotech Hub, Dhing College, Nagaon.
- Dr. Mousmi Saikia, Organizing Secretary, ADP College, Nagaon.
- Ms. Jahnowi Das, Member, ADP College, Nagaon.

Resource Persons-

- Dr. Neeta Basumatary, Assistant Professor, Nowgong Girls College
- Mr. Pranab Borah, Ph.D. Scholar, Cotton University
- Mr. Pranjal Boruah, Microbiologist, Bisleri International Pvt Ltd, Nagaon
- Ms. Bornali Hazarika, Quality Control Executive at LSJ (DXN-Deahsan) Biotech PVT Ltd. Tezpur
- Mr. Pranab Patowary, Factory PIC at LSJ (DXN-Deahsan) Biotech PVT Ltd. Tezpur

Topic Discussed-

- DAY 1 - Introduction to Herbal Technology, Cultivation and Post Harvest Management
- DAY 2 – Identification of Medicinal Plants, Solvent Extraction of Crude Drug.
- DAY 3 – Phytopharmaceuticals, Phytochemical screening
- DAY 4 - Herbal Drug Formulation, Industry- Academia Interaction Session
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Lectures given by Resource Persons/ Faculty/Students-

- 1) Dr. Mousmi Saikia- *Introduction to Herbal Technology*
- 2) Dr. Sanjeeb Kumar Nath- *Medicinal Plant*
- 3) Dr. Neeta Basumatary- *Identification of Crude drugs*
- 4) Mr. Pranab Borah- *Herbal Technology: Its impacts on Life in 21st Century*
- 5) Ms. Jahnowi Das- *Phytopharmaceuticals*
- 6) Mr. Pranjal Boruah- *Concepts of Quality Assurance and Quality Control*
- 7) Ms. Bornali Hazarika- *Herbal Drug Industry Prospective*
- 8) Mr. Pranab Patowary- *Herbal Industry Prospects*
- 9) Mr. Pankaj Jyoti Chetia, (Student, M.Sc 3rd Sem)- *Cultivation and Post Harvest Management of Medicinal Plant*
- 10) Ms. Monoswee Tanti, (Student, M.Sc 3rd Sem)- *Solvent Extraction of Crude Drug*
- 11) Ms. Syeda Nafesa Anjum, (Student, M.Sc 3rd Sem)- *Phytochemical Screening of Plants*
- 12) Mr. Deringao Jidung, (Student, M.Sc 3rd Sem)- *Herbal Drug Formulation*

Photos-

Day 1



Day 2



Day 3



Day 4



Day 5



Day 5 (13/10/2023)

1) Harnshree Pathak	9846699910	B.Voc (ADP collage)	Female
2) Harshita Sarkar	600352361	B.Voc (ADP)	Female
3) Pragati Bhanuwarma	9102012533	B.Voc (ADP) 3rd	Female
4) Harshita Zaman	9395183355	B.Voc (ADP) 1st	Male
5) Kapayashree Devi	9395202970	B.Voc (ADP) 2nd	Female
6) H. Laboni Saikia	6003675073	B.Voc (ADP) 1st	Female
7) Anshu Rani Saikia	9638333476	B.Voc (ADP) 1st	Male
8) Shakirul Islam	6002319578	B.Voc (ADP)	Male
9) Ragini Moolga	9764068916	B.Voc (ADPC)	Male
10) Pd. Mridul	9395589838	B.Voc (ADPC)	Male
11) Shakti Almond	7707189305	B.Sc (ADPC) Zoology	Female
12) Harshita Bujji	901779746	HST/ADP	Male
13) Pankaj Jyoti Chakha	6001230780	HST (ADP)	Female
14) Shilpa Jais	3157017306	HST (ADP)	Male
15) Mausam Boruah	7086812806	M.Sc (HST) ADP	Female
16) Monohar Tanti	8622396321	M.Sc (HST) ADP	Female
17) Anshu Kundu	8638861129	M.Sc (HST) ADP	Female
18) Anona Khasaria	7002477708	M.Sc (HST 1st Sem)	Male
19) Spide Nafisa Anjam	9394436663	M.Sc (HST 3rd Sem)	Female
20) Mridul Alom	8471542186	ADP (B-Voc 1st)	Male
21) Debnal Debnal	2133809927	ADP (B.Voc)	Male

News paper clippings of the Workshop:



The Sentinel

of this land, for its people

Workshop on herbal processing technology held

A CORRESPONDENT

Herbal Science and Technology, ADP College, Nagaon organized a five-day long workshop-cum-hands-on training programme on 'Herbal processing technology' at ADP College from October 9 to October 13.

The prime objective of the workshop

development strategy

Dr Sadananda ADP College, inaugurated following a brief Mridul Kumar H Kumar Nath, co-Institutional Level

Herbal processing technology workshop promotes indigenous medicinal plants and research at AI

HT Correspondent
NAGAON, Oct 18: The Advance Institutional Level Biotech Hub at Dhing College, in collaboration with the Department of Herbal Science and Technology at ADP College, Nagaon, organized a five-day workshop cum hands-on training program on 'herbal processing technology' from October 9 to Oc-

dicinal and aromatic plants, their conservation, sustainable use, and to emphasize research and strategies for developing herbal drugs. Dr Sadananda Payeng, Principal of Nagaon ADP College, inaugurated the workshop following a brief introduction by Dr Mridul kr Hazarika. Dr Sanjeeb Kr Nath, Coordinator of the Advance Insti-

keynote address Saikia provide workshop's objectives saw participation of students, faculty source persons: College, Now and Dhing Co 73 undergraduate department of B.

Workshop on herbal processing technology held at ADP College

CORRESPONDENT

NAGAON, Oct 20: The Advance Institutional Level Biotech Hub, Dhing College in collaboration with the Department of Herbal Science and Technology, ADP College, Nagaon, organised a five-day workshop cum hands-on training program on 'Herbal processing technology' at the ADP College recently.

The prime objective of the workshop was to create awareness on indigenous medicinal and aromatic plants, its conservation and sustainable use as well as focus on research and herbal drugs development strategies.

Dr Sadananda Payeng, principal of Nagaon ADP College, inaugurated the workshop following a brief note presented by Dr Mri Kr Hazarika. Dr Sanjeeb Kumar Nath, coordinator, Advance Institutional Level Biotech Hub, and head, Department of Botany, Dhing College, delivered the keynote address, while Dr Mousmi Saikia spoke on the objectives of the event.

Over 105 students, faculty members and resource persons from Nagaon ADP College, Nowgong Girls' College and Dhing College participated in the event. More than 73 undergraduate students from the departments of Botany, Zoology, Herbal Technology as well as 18 postgraduate students from the Department of Herbal Science and Technology participated in the programme.

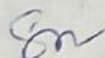
Dr Neeta Basumatary, assistant professor, Nowgong Girls' College, Pranab Bar...

Workshop on herbal processing technology held at ADP College

Assam Rising, Nagaon, October 18 : Advance Institutional Level Biotech Hub, Dhing College in collaboration with Department of Herbal Science and Technology, ADP College, Nagaon organized a five day long workshop cum hands on training programme on 'herbal processing technology' at ADP College from October 9 to October 13. The prime objective of the workshop was to create awareness on indigenous medicinal and aromatic plants, its conservation and sustainable use as well as to focus on research and herbal drugs development strategies. Dr

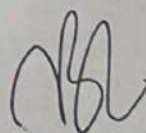
Sadananda Payeng, principal of Nagaon ADP College inaugurated the workshop following a brief note presented by Dr Mridul kr Hazarika. Dr Sanjeeb Kr Nath, co-ordinator to Advance Institutional Level Biotech Hub, HoD, Department of Botany, Dhing College delivered the keynote address while Dr Mousmi Saikia delivered a short note on the objectives of the workshop. Over 105 students, faculty members and resource persons from Nagaon ADP College, Nowgong Girls' College and Dhing College participated in the event. Over 73 undergraduate students from the Department of Botany, Zoology and Herbal Technol-

ogy as well as 18 post graduate students of Herbal Science and Technology participated in the programme. Dr Neeta Basumatory, assistant professor, Nowgong Girls' College, Pranab Bora, PhD scholar, Cotton University, Pranjal Boruah, microbiologist, Bisleri International Pvt Ltd, Bornali Hazarika, quality control executive at LSJ (DXN - Deahsan) Biotech Pvt Ltd, Tezpur and Pranab Patowary, factory PIC at LSJ Biotech Pvt Ltd, Tezpur participated in the workshop as the resource persons, a press note stated here.



Signature
Coordinator & PI
Advance Institutional Level
Biotech Hub, Dhing College

Coordinator & PI
Biotech Hub
Dhing College



Signature
Principal
Dhing College

Dhing College
Dhing, Nagaon (Assam)