

# Program

**13 November 2007 Tuesday**

08.00-09.00	Registration
09.00-10.00	Inaugural Ceremony
<i>Chairperson:</i>	Dr PG Rao <i>Director, NEIST and Chairman, Organizing Committee</i>
9.05 – 9.10	Invocation
9.10 – 9.15	Welcome Address by Dr R K Sharma, Scientist, NEIST
9.15 – 9.25	Address by Chief Guest Air Commodore B. Keshav Rao VSM, AOC, 5 <sup>th</sup> Airforce Hospital, Jorhat
9.25 – 9.35	Address by Dr. Biswapati Mukherjee <i>Member, ANRAP Board</i>
9.35 – 9.45	Address by Dr. Liaquat Ali <i>Member, ANRAP</i>
9.45 - 9.55	Address by the Chairperson
9.55 – 10.00	Vote of thanks by Dr. B P Sarma
10.00 - 10.30	Tea/Coffee and Inauguraion of Exhibition/Poster

## **PLENARY LECTURE I (10.30 – 12.00)**

<i>Chairperson:</i>	<b>Prof Biswapati Mukherjee</b> (India) Professor & Executive Director SN Pradhan Centre for Neurosciences, Calcutta University, Kolkata, India
Speaker – I:	<b>Prof Liaquat Ali</b> Dept of Biochemistry & Cell Biology, BIRDEM Bangladesh

Speaker – II: **Prof S Dutta Choudhury** (India)  
Senior Consultant Endocrinologist.  
N.L. Medicare & Research Center, Guwahati , Assam,  
India .

### INVITED LECTURE I (12.00 – 13.20)

*Chairperson:* **Prof Liaquat Ali**  
Dept of Biochemistry & Cell Biology, BIRDEM  
Bangladesh

*Speaker 1* (12.00-12.20) **Dr. Amio Sarma**, Jorhat, Assam, India  
Metabolic syndrome

*Speaker 2* (12.20-12.40) **Dr. B P Sarma**, IOC, Assam, India  
Diabetic food

*Speaker 3* (12.40-13.00) **Dr Dipti Sharma**  
*Dept of Endocrinology, Gauhati Medical College*  
Antioxidant properties of medicinal plant in diabetes

*Speaker 4* (13.00 – 13.20) **Dr. K K Barman**  
Dibetologist, Guwahati, Assam, India  
TEAM CARE: The most effective Diabetes care delivery  
vehicle

**13.20-14.0** **Lunch**

### ORAL PAPER SESSION I (14.00-16.20)

*Chairperson:* **Prof. Zinnat Ara Begum** (Bangladesh)  
*Co-Chairperson:* **Dr Sabrina Murshed** (Bangladesh)

14.00-14.10 **Sharma YK, Mehra BL** (India)  
Screening of a Folklore herb for its effect in madhumeha  
(type 2 diabetes)

14.10-14.20 **Bari L** (Bangladesh)  
Insulin secretion and insulin sensitivity in first degree  
relatives of subjects with IGR

14.20-14.30 **Ali M, Gupta OP, Shukla VD, Dave AR** (India)  
Concept of diabetes mellitus in ayurveda and its  
management by herbal drug

- 14.30-14.40 **Choudhury DN, Sharma BP** (India)  
Role of herbs in the management of diabetes foot ulcer
- 14.40-14.50 **Begum ZA** (Bangladesh)  
A comparative study on the effects of Spirulina and Coccinia indica on blood glucose level in experimentally induced diabetic rats
- 14.50 – 15.00 **Sarma M, Bhattacharjee SP, Sarma BP** (India)  
Antidiabetic plants in ‘Dhanantari Nighantu’: a classical ayurvedic literature
- 15.00-15.10 **Pandit S, Biswas KT, Mondal S, Jana U, Ghosh KT, Debnath KP and et al** (India)  
An approach mechanistic study of chromium complex in combination with antidiabetic medicinal plants in type 2 diabetes patients
- 15.10-15.20 **Dave AR, Gohil MN, Nirmal BM** (India)  
Control of diabetes and care of diabetics by plant medicines and ayurvedic views
- 15.20-15.30 **Khanikar G** (India)  
Some important medicinal plant and herbs to prevent diabetes
- 15.30-15.40 **Vijendra**, Himalayan Drugs
- 15.40-15.50 **Medhi KD** (India)  
The rational therapy and diabetes mellitus (the reflection of an eye vision from the light and shade)
- 15.50 – 16.00 **ChoudhuryB, Sarma BP** (India)  
Study of lagerstroemia speciosa (L) pers as a hypoglycemic agent in the management of diabetes mellitus (madhumeha)
- 16.00-16.10 **Sarma C, Mazumdar R, Nanda GC** (India)  
Exploration of medical plants of North East in various conditions
- 16.10 – 16.20 **Barthakur M, Sarma RK** (India)  
Impact of water extract of Scoparia dulcis on glucose tolerance in alloxan induced diabetic rats.

16.20 – 16.30

Tea/Coffee

## **INVITED LECTURE II (16.30-17.50)**

*Chairperson:*

**Dr. P G Rao**, Director, NEIST, Jorhat, Assam, India

*Co-Chairperson*

**Dr. B P Sarma**, Govt. Ayurvedic College, Guwahati, Assam, India

*Speaker 1 (16.30 – 16.50)*

**Prof Begum Rokeya** (Bangladesh)

*Dept of Pharmacology, BIRDEM, Bangladesh*

Management of postprandial hyperglycemia by plant materials

*Speaker 2 (16.50-17.10)*

**Dr Sabrina Murshed**

*Dept of Biochemistry & Cell Biology, BIRDEM, Dhaka*

Lipid abnormalities in diabetes and the potential role of plant materials in its management

*Speaker 3 (17.10-17.30)*

**Dr Zahid Hasan**

*Biomedical Research Group, BIRDEM, Dhaka*

*Speaker 4 (17.30-17.50)*

**Dr. Sanjib Kakaty**, AMC, Dibrugarh

Obesity

---

## 14 November 2007 Tuesday

### INVITED LECTURE III

- Chairperson:* **Prof. Begum Rokeya** (Bangladesh)
- Speaker 1* (09.00-09.20) **Prof M A Rashid**  
*Dept of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Dhaka*  
Antidiabetic principle from *Eclipta prostrata*
- Speaker 2* (09.20-09.40) **Dr Tuhin Kanti Biswas**  
*JB Roy State Ayurvedic Medical College & Hospital, India*  
Clinical Evaluation of Chromium Complex in Combination with Anti-diabetic Medicinal Plants Antidiabetic activity
- Speaker 3* (09.40-10.00) **Dr. Subhan C Nath**  
*Division of Medicinal, Aromatic & Economic Plants, NEIST, India*  
Plant folk medicine practiced for the treatment of diabetes in Northeastern India
- 10.00 – 10.10** **Tea**
- Speaker 4* (10.10-10.30) **Dr. Bishnu Prasad Sarma**  
*Govt Ayurvedic College, Assam, India*  
Plant materials with special reference to ayurveda as a source of antidiabetic drugs
- Speaker 5* (10.30-10.50) **Dr Omar Faruque**  
*Dept of Biochemistry & Cell Biology, BIRDEM, Dhaka*  
PKA-AKAPs interaction plays an essential role in the cAMP- dependent stimulation of pancreatic beta cell and potentiation of insulin secretion
- Speaker 6* (10.50 – 11.10) **Dr Sharabana Chakrabarti** (India)  
*SN Pradhan Center for Neuroscience, University of Calcutta, Kolkata, India*  
Development of antidiabetic drug from plants: an approach
- Speaker 7* (11.10 – 11.30) **Mr Kabir Ahmed**  
*BCSIR Laboratories, Chittagong*  
Preliminary screening of some common medicinal plants of Bangladesh for evaluation of antidiabetic properties
- Speaker 8* (11.30 – 11.50) **Dr AK Sarma** (India)  
*Barauni Refinery Hospital, Bihar, India*

Echo doppler study in diabetic population –strategy for early detection of coronary heart disease risks

*Speaker 9* (11.50 – 12.10)

**Dr. H C Kalita** (India)  
Assam Medical College, Dibrugarh, Assam  
Diabetes mellitus and cardiovascular diseases

*Speaker 10* (12.10 – 12.30)

**Dr. P K Debnath**  
JB Roy Ayurvedic Medical College & Hospital  
Antidiabetic plants leads from Ayurveda

*Speaker 11* (12.30 – 12.50)

**Dr Dipak Sarma**  
Jorhat, Assam, India  
Diagnosis of Diabetes mellitus

*Speaker 12* (12.50-13.10)

**Dr. N N Goswami**, Jorhat  
Endothelial dysfunction and vascular health

**13.10 – 14.00**

**Lunch**

**ORAL PAPER SESSION II (14.00-16.40)**

*Chairperson:*

**Dr. Zahid Hassan**  
Biomedical Research Group, BIRDEM, Dhaka

*Co-Chairperson:*

**Dr. P K Barua**  
Medical Officer, NEIST, Jorhat, Assam, India

14.00-14.10

**Sharma KV, Sharma P, Sharma KV** (India)  
Bajrang MM Tab (Forte) & Bajrang diaecure powder in the management of diabetes mellitus

14.10-14.20

**Ferdous AH** (Bangladesh)  
Hypoglycemic effect of catharanthus roseus in normal streptozotocin- induced diabetic rats

14.20-14.30

**Barua CC, Barua AG** (India)  
Pharmacological validation of plant based drugs against diabetes with reference to *Gymnema sylvestre*

14.30-14.40

**Akhter M** (Bangladesh)  
Effects of PE022 on carbohydrate digestion and absorption in Long-Evans rats

14.40-14.50

**Akter B, Rahman M** (Bangladesh)  
Plants in diabetes: prospects and challenges

- 14.50-15.00 **Uddin B** (Bangladesh)  
Antiplatelet Effect of *Ocinun Sanctum*
- 15.00-15.10 **Sarma S, Sarma BP, Khan S, Rokeya B, Nahar N, Mosihuzzaman M, Ali L** (India, Bangladesh)  
Antidiabetic effect *Murrayia koenigii* leave extracts on nondiabetic and diabetic model rats
- 15.10 – 15.20 **Laha Ramachandra** (India)  
Plants for diabetes from Mizoram
- 15.20 – 15.30 **Basumata C, Kalita J C, Mohan P** (India)  
Ethnomedicinal plants used by Bodo tribe of few villages in Karbi Anglong district of Assam, India: In search of new remedies for diabetes
- 15.30 – 15.40 **Pandey BK, Hazarika P, Tripathi YC** (India)  
Indigenous knowledge for hyperglycemic and hypoglycemic herbs to control diabetes in Majuli Island (Assam), India
- 15.40 – 15.50 **Goswami KD** (India)  
Use of honey for treatment of diabetes mellitus (madhumeha): an analysis
- 15.50-16.00 **Ahmed PR** (India)  
Buckwheat-A pseudo wheat that can be used in the management of diabetes mellitus
- 16.00 – 16.10 **Khatun T, Nahar Q, Akter S, Faruque MO, Ali L** (Bangladesh)  
Association of high carbohydrate consumption with insulin secretion and sensitivity in newly diagnosed IGT and type 2 diabetes subjects
- 16.10 – 16.20 **Hossain S, Ahmed KR, Salma U, Khan T, Saleh F, Ali L** (Bangladesh)  
Dietary intake of pregnant diabetic women in a Bangladeshi population
- 16.20 – 16.30 **Akter S** (Bangladesh)
- 16.30 – 16.40 **Talukdar E, Bhattacharjee S P, Sharma BP** (India)  
Diabetes and its management in Ayurveda
- 16.40 – 16.50** **Tea/Coffee**

## Poster Session

Inauguration – 05 October, 2007  
Time: 10.00 – 10.30 hrs

01. **Bora AK (India)** Modern management of gestational diabetes: a holistic approach
02. **Bora S, Dasi A K, Saikia D (India)** A note on the use of ethnomedicines of plant origin in the treatment of diabetes
03. **Borah P (India)** Plants mentioned in Ayurveda, their effectivity in diabetes mellitus (preventive and managing prospects)- an insights
04. **Bharali R, Sarma BP (India)** Role of Guduci (*Tinospora cordifolia*) and Chandaana (*Santalum album*) in the management of diabetes mellitus (madhumeha)
05. **Choudhury J, Gupta OP, Sarma BP, Sharma DGC (India)** A study on antidibetic plants described in brihatrayee with special reference to *Ficus racemosa* Linn
06. **Das M, Sharma BP (India)** Plants in diabetes
07. **Deka J, Sarma BP (India)** Diabetes mellitus and its management by ‘Chiede’ a local plant of Nagaland
08. **Diggavi M (India)** Diabetes and its management in Ayurveda
09. **Kumar KK (India)** Ayurvedic hypoglycemic drugs in Laghutrayis
10. **Medhi K, Sarkar T, Gogoi AJ, Kangilal PB, Sharma RK, Wann SB Saikia SP, Bhau BS (India)** Untapped tremendous potential of plants in modern diabetic treatment: a review
11. **Ramchiary SG, Sarma BP (India)** Traditional use of antidiabetic plants in Assam
12. **Sarma C, Mazumdar R, Nanda GC (India)** Conservation of some endangered antidiabetic plants from north east India
13. **Sharma RK, Katakya R (India)** Screening of plants with anti –diabetic property in North –East Region of India
14. **Wann SB, Unni BG, Singh HR (India)** Studies on medical properties and biochemical characterization of indigenous antidiabetic plant of North East India