

Chronicle

compiled by

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Visiting scientist

Dr. MADHAV KUMAR Scientist 'D', Birbal Sahni Institute of Palaeobotany, Lucknow worked in our Laboratory under the Exchange of Scientist Program between the Indian National Science Academy and the Hungarian Academy of Sciences. During his visit between 8th September - 16th October, 2002 (Plate 1, figs 2, 5), we worked on the SEM results of partially degraded Malvaceae pollen grains and on the combined (TEM and SEM) investigations on partially degraded cuticles of *Cycas rumphii*. Further research works were started such as, the combined studies on the partially degraded pollen grains of *Cycas rumphii* MIQ. using the C60 fullerene/benzol solution.

International Laboratory activities and news

28 January - 10 February, 2002, Lucknow, Uttar Pradesh, India

Prof. Dr. M. KEDVES visited Birbal Sahni Institute of Palaeobotany, Lucknow. During his visit on 30th January, Prof. Dr. A.K. SINHA, Director of the Birbal Sahni Institute of Palaeobotany was awarded with the Millenium Medal of the Laboratory (Photo 1,2). The program of the function was following: 16.00 hours -Welcome and introduction of Prof. KEDVES by the Director. 16.10 hours - About Hungarian Academy by Prof. KEDVES. 16.20 hours - Medal Award Ceremony. Introduction and presentation of medal by Prof. Kedves to Director BSIP. 16.30 hours -Thanks by the Director, BSIP. 16.40 hours - BSIP Association with Hungary by Dr. S.K.M. TRIPATHI. 16.50 hours -Vote of thanks by Seniormost Scientist, Dr. SHAILA CHANDRA. After this ceremony a reception was held in the garden of the BSIP. The moments of this occasion was published in daily Newspapers - Rashtriya Sahara (local Hindi daily), Indian Express (English daily) and also in Newsletter of Birbal Sahni Institute of Palaeobotany for information to public and academic institutions.

Dr. M. KEDVES, Dr. S.K.M. TRIPATHI and Dr. MADHAV KUMAR finalized two manuscripts on the pollen grains and the preliminary report on the cuticles of *Cycas rumphii* MIQ., and worked on the further research programs on the partially degraded pollen grains of two species of the Malvaceae pollen grains. The new programs were also included. Fruitful discussions were carried out with Dr. USHA BAJPAI, on her new contributions in P.C.B.D.



Photo 1 and 2.

From right to left: Prof. Dr. A.K. SINHA Director, Dr. SHAILA CHANDRA, Seniormost Scientist and Prof. Dr. M. KEDVES in the Auditorium of the Birbal Sahni Institute of Palaeobotany, Lucknow, India.

On the 8th February an exclusive reception was held in the room of Dr. SHYAM C. SRIVASTAVA at the appearance of the first number of *Savitrana*. Editors: H. A. KHAN, R. SAXENA, S.C. SRIVASTAVA. Advisory Board: Prof. G.V. PATLL, Ex-Vice-Chancellor, Amravati University, Amravati, Maharashtra, Mr. RAVI SHANKAR, Ex-Director General, G.S.I., Kolkata, Prof. SAEED A. SIDDIQI, Ex-Chairman, Botany Department, A.M.U. Aligarh, U.P., Prof. R.Y. SINGH, Geology Department, Punjab University, Chandigarh, Punjab, Prof. MOHAMMAD IQBAL, Chairman, Botany Department, Jamia, Hamdard, New Delhi, Prof. C.G.K. RAMANUJAM, Ex-Chairman, Botany Department, Osmania University, Hyderabad, Dr. A.N. PATHAK, Director, Council of Science and Technology, Lucknow, U.P., Prof. M. KEDVES, C.B.E.M. Lab. Botany Department, J.A. University, Szeged, Hungary, Dr. LI-CHEN SEN, Institute of Botany, Beijing, China, Dr. Edith TAYLOR, Botany Department, University of Kansas, St. Louis, Kansas, USA, Dr. Ruth STOCKEY, Botany Department, University of Alberta, Edmonton, Canada, Dr. Joanna VAN CITTERT, Department of Palaeobotany and Palynology, Konigcnburg, The Netherlands, Dr. TRIN TZANH, Director, Geological Museum, Hanoi, Vietnam.

21 - 26 July, 2002, Cape Town, South Africa, 8th International Symposium on Mesozoic Terrestrial Ecosystems. Organizing Committee: Dr. Roger SMITH, Prof. Anusuya CHINSAMY-TURAN, Dr. Sanghamitra RAY, Co-ordinators: Sally ELLIOTT, Anne GREENHILL.

On the 25 July M. KEDVES delivered the following lecture:

Ultrastructure of plant microfossils in Mesozoic amber.

29 August - 2 September, 2002. Athens, Greece, 6th European Paleobotany-Palynology Conference. Organizing Committee: President: E. VELITZELOS, Vice president: M.D. DERMITZAKIS, General Secretary: E. GEORGIADIS-DIKEOULIA, Treasurer: K. KYRIAKOPOULOS, Members: A. ANTONARAKOU, C. DOUKAS, H. DRINIA, CH. IOAKIM, V. KARAKITSIOS, E. KOSKERIDOU, K. KOULI, S. PAVLIDES, F. POMONI, M. TRIANTAPHYLLOU, N. TSAPARAS, TH. TSOUROU. Special advisors: TH. DENK, D. VELITZELOS.

On 30th August M. KEDVES delivered the following lecture:

Trends in the investigations of the biopolymer structure of the sporoderm.

Based on the letter of Prof. Dr. TSENG-CHIENG HUANG dated 2001, 07, 23, from 1st August 2001, Prof. Dr. SU-HWA CHEN appointed Editor-in-Chief of *Taiwania*. At this occasion a picture taken in the Botanical Garden of Nanjing at the 10th International Palynological Congress is presented in this volume (Photo 3).

A picture taken during the ICPC, in the Conference Building is enclosed herein (Photo 4), Dr. HUANG FEI, (Nanjing Institute of Geology and Palaeontology Academia Sinica, Nanjing, P.R. of China) and Dr. M. KEDVES.

Photo 3.

From right to left: Prof. Dr. SU-HWA CHEN, Prof. Dr. M. KEDVES, Dr. MEI-HUEI TSENG (National Taiwan Science Education Centre), Miss HUEI-SING HUANG (Graduate student of Dept. of Geology, NTU).

Photo 4.

DR. HUANG FEI and Prof. DR. M. KEDVES, at the 10th I.P.C.



Photo 3.



Photo 4.

Hungarian scientific activities

During the 1380th meeting of the Botanical³ Section of the Hungarian Biological Society on the 15th April, 2002 the following paper was presented by M. KEDVES:

KEDVES, M., TOMBÁ CZ, D. - SZÉCSÉ NYI, A.: Kísérletes vizsgálatok a búza virágporzemein.

On the 2nd December (1336th meeting) another paper was presented by M. KEDVES - Növényi biopolimer rendszerek kutatási irányzatai - at the Botanical Section of the Hungarian Biological Society.

Laboratory meetings and news

26.01.02. The manuscripts for the volume 15 of the Plant Cell Biology and Development were arranged in order for publication. The research, scientific and other academic activities in the Laboratory were organized with its actual problems.

16.02.02. Report of the scientific achievements of the joint research programs with the Birbal Sahni Institute of Palaeobotany, Lucknow (India) was prepared and discussed with the colleagues. A discussion on the present state of the international scientific research programs was also made.

06.04.02. Discussions on the participation in international scientific meetings (Cape Town and Athens).

27.04.02. The compilation of the manuscripts for the next volume (15) of the Plant Cell Biology and Development. Methodical problems in the investigations of the biopolymer system of the different kinds of plant cell walls were made in record. The importance of the C60 fullerene/benzol solution in the discovery of different organization level of the biopolymer structures was discussed. Further, it is decided to continue the experiments with this solution.

01.06.02. Discussion with the Rector of the University concerning the present day problems of the Laboratory was also conveyed to the students. Further experiments were done on different kinds of pollen grains with C60 fullerene/benzol solution and observed the results in transmission electron microscope.

19.08.02. At 4 Pm an exclusive reception was held in the Laboratory (Plate 1, figs. 1,3,4). Participants: A. BORBOLA, D. JACSÓ, L. JACSÓ, M. KEDVES, K. PRISKIN and D. TOMBÁ CZ.

07.09.02. Report of the participation in the international scientific meetings at Cape Town and Athens was prepared along with the present day programs of the Laboratory.

05.10.02. The final state of the 15th volume of Plant Cell Biology and Development was made and discussed the scientific programs for 2003 with students.

02.11.02. The research works of the Laboratory within the present joint research programs with the Birbal Sahni Institute of Palaeobotany, Lucknow, India was organized.

07.12.02. Review of the achievements of the Laboratory during 2002 was prepared along with discussions on the problems and programs for 2003.

Plate 1.

1. Participants of the Laboratory Meeting in the office of Prof. Dr. M. KEDVES. From left to right: A. BORBOLA, PhD. Student, Prof. Dr. M. KEDVES, D. JACSÓ, L. JACSÓ, K. PRISKIN and D. TOMBÁ CZ.
 2. DR. MADHAV KUMAR, Scientist 'D' working on the manuscript of one of the joint research program.
 3. L. JACSÓ and D. JACSÓ in the Laboratory at the exclusive reception.
 4. A. BORBOLA in the Laboratory after the award ceremony.
 5. Dr. MADHAV KUMAR, Scientist 'D' in the office of PROF. DR. M. KEDVES.
- The pictures are taken by Dr. É. SIPOS-KEDVES.

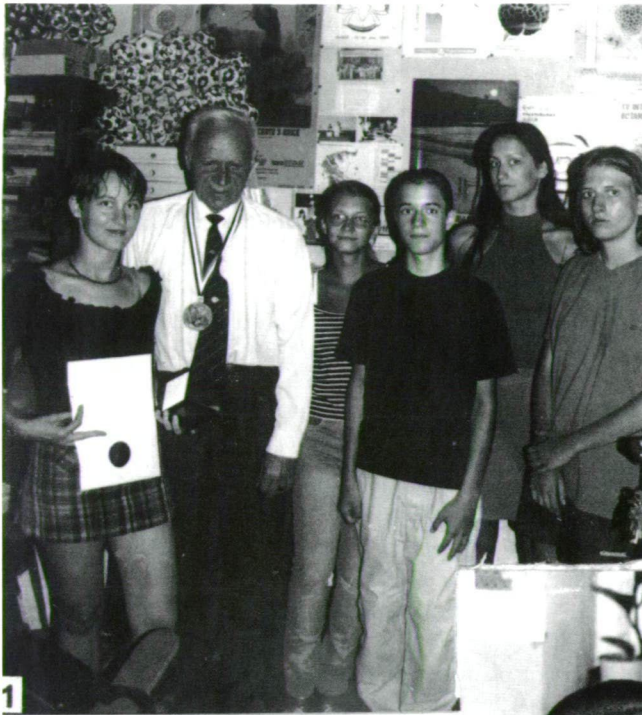


Plate 1.

Teaching program of the Laboratory

In the year 2002, the following lectures were delivered:

1. Applied Palynology 2 + 2, Biopolymer organization and symmetry 2 + 0, 3. Theory of Evolution and Natural Phylosophy, 2 + 0, 4. Introduction to the Pre-Quaternary Palynology, 2 + 2, 5. Theory of the Supernova, 2 + 0, 6. Basic Palynology 2 + 2, 7. Quasi-crystalloid biopolymer structures 2 + 0.

Award

Prof. Dr. M. KEDVES was awarded "The American Medal of Honor" by the American Biographical Institute (Photo 5). The number of his medal is 57. Worldwide 100 persons were selected for this honor.



Photo 5

Front picture of the American Medal of Honor. The picture is taken by Dr. I. BAGI.