

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
DEPARTMENT OF MATHEMATICS**

**Report of the International Conference on Algebra,
Discrete Mathematics and Applications.
9-11, DECEMBER 2017**

The International Conference on Algebra, Discrete Mathematics and Applications was organized in the Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431004 India, during 9-11 December 2017.

The inaugural ceremony was held in the Central Facility Center of the university on 9th December, 2017 at 9.30 am. Honorable Professor B. A. Chopade, Vice-Chancellor, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad was the President. Honorable Professor N. K. Thakare, Founder Vice-Chancellor, North Maharashtra University, Jalgaon was the Chief guest. Fields Medalist Professor Efim Zelmanov (USA), Professor S. K. Jain (USA) and Honorable Professor S. B. Nimse, Former Vice-Chancellor, Lucknow University, Lucknow and Swami Ramanand Tirth Marathwada University, Nanded were special guests. Dr. Meenakshi Wasadikar, Professor and Head welcomed the guests, speakers and the delegates and shared her views about organizing the conference. Prof. S. K. Nimbhorkar, expressed vote of thanks.

In the morning session the Plenary talk was delivered by Prof. Efim Zelmanov (Fields Medalist), University of California, San Diego, U. S. A. The Topic of his talk was “Asymptotic theory of groups”. The chairperson was Prof. S. G. Dani. The second invited talk was delivered by Prof. S. K. Jain, Ohio University, Athens, Ohio, U. S. A. He spoke on “When are nonnegative

matrices product of nonnegative idempotent matrices”? The chairperson was Prof. S. G. Dani. The third invited talk was delivered by Prof. B. N. Waphare, Savitribai Phule Pune University, Pune. The title of his talk was “Decomposition of hypercube by cycles and partial cubes”. The chairperson was Prof. S. K. Khanduja.

In the afternoon session the first invited talk was delivered by Prof. S. G. Dani, UM-DAE Center for Excellence Basic Sciences, University of Mumbai, Mumbai. The title of his talk was “Roots of elements in groups”. The chairperson was Prof. J. K. Verma. The second invited talk was delivered by Prof. Surjeet Singh, Ex-Professor, King Saud University, Saudi Arabia. The title of his talk was “Completely almost self-injective modules”. In the evening session there were paper presentations.

In the morning session of 10th December, the first invited talk was delivered by Prof. Andre Leroy, Universite d’Artois, Lens, France. The title of the talk was “Commutatively closed sets in rings”. The Chairperson was Prof. K. N. Raghvan. The second invited talk was delivered by Prof. J. K. Verma, IIT Bombay. The title of the talk was “The tight Hilbert polynomial of an ideal”. The third invited talk was delivered by Prof. Amritanshu Prasad, IMSc., Chennai. The title of the talk was “Tableaux correspondence and representation”. In the evening session there were contributory paper presentations.

In the Morning session of 11th December, there were contributory paper presentations

It was followed by the valedictory program which was chaired by Prof. W. K. Sarwade, Officer on Special Duty, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

About 150 people, including resource persons from India, USA, France, Italy and delegates from all over India were present for this conference.

(Dr. Meenakshi Wasadikar)
Professor and Head