

University of Delhi
DOCTOR OF PHILOSOPHY

This is to certify that Man Mohan Trass
after approval of his/her thesis on Symmetry and
the Shannon Entropy
in March 1984, has been admitted to the degree of
Doctor of Philosophy in this University at the Convocation
held in 1984.



कल-सचिव,
दिल्ली विश्वविद्यालय
Registrar,
University of Delhi.

दिल्ली, दिनांक 24 मार्च, 1984.
Delhi, dated the 24th March, 1984.

कुलपति,
दिल्ली विश्वविद्यालय
Vice-Chancellor,
University of Delhi.

NEW JERSEY INSTITUTE OF TECHNOLOGY
AND

RUTGERS THE STATE UNIVERSITY OF NEW JERSEY

The Board of Trustees of New Jersey Institute of Technology, upon recommendation of the Faculty, and the Board of Governors of Rutgers University, upon recommendation of the Faculty of the Graduate School-Newark, hereby jointly confer upon

SHUCHI AGRAWAL

the degree of

DOCTOR OF PHILOSOPHY
IN MATHEMATICAL SCIENCES

with all the rights and privileges therunto appertaining.

Given under the seals of the Universities this sixteenth day of May, two thousand and eleven.

Shuchy

Kathleen Spurgeon
Chairperson, Board of Trustees

Robert A. Ostendorf
President



Ronald I. McCormick
President

W. J. P.
Provost

Punjab University

Roll No. 1453

Doctor of Philosophy
(In the Faculty of Science)

Verified that Beetika Arang, Regd. No. 97-gma-108, daughter of Shri Hiyang Harkash Arang, and of the Punjab State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2008.

Given under the seal of the University

A. K. Mandari
Controller of Examinations

S. S. Sani
Registrar



Rashmi Sethi
VICE-CHANCELLOR

Chandigarh
September 25, 2008

Chancellor

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Ref. No. 30/Ph.D./93

December 15, 1993

NOTIFICATION

It is hereby notified that Jamia Millia Islamia has accepted the thesis submitted by the following candidate and declared her eligible for the award of the Degree of Doctor of Philosophy (Ph.D.) of the Jamia Millia Islamia, New Delhi in the subject concerned. The relevant details are indicated below:

Sr. No.	Name of Candidate	Subject	Deptt./ Faculty	Title of the thesis	Name of the Supervisor(s)
1.	Jaqjeet Kaur	Maths.	Deptt. of Mathematics, Faculty of Natural Sciences, Jamia.	"A Study on the Location of Zeros and Bernstein type of Inequalities for Polynomials"	Dr. (Mrs.) Kum Kum Dewan, Deptt. of Mathematics, Faculty of Natural Sciences, Jamia.

Copy forwarded to the following for information:

1. The Secretary, University Grants Commission, Bahadur Shah Zafar Marg, New Delhi - 110 002.
2. The Secretary, Association of Indian University, AIU House, 16, Kotla Marg, New Delhi - 110 002.
3. The Secretary, National Council of Educational Research & Training, Sri Aurobindo Marg, New Delhi - 110 016.
4. The Secretary, Ministry of Human Resource Development, Govt. of India, Shaastri Bhawan, Dr. Rajinder Prasad Road, New Delhi - 1.
5. The Secretary, Indian Council of Social Science Research, Indraprastha Estate, 36, Ferozeshah Road, New Delhi - 110 001.
6. The Registrar of all the Central Universities.
7. The Editor, University News, Association of Indian Universities, AIU House, 16, Kotla Marg, New Delhi - 110 001.
8. The Editor, Indian National Doctoral Thesis Bibliography, Library Science Study Circle, Sepatapur, Dharwar - 2.
9. The Information and Statistical Division, University Grants Commission, 35, Ferozeshah Road, New Delhi - 110 002.
10. The Librarian, National Library, Belverde, Calcutta - 27.
11. The Deans of all the Faculties of the Jamia.
12. The Heads of all the Deptts. of the Studies of the Jamia.
13. The Librarian, Dr. Zakir Husain Library, Jamia Millia Islamia, New Delhi - 25.
14. The Asstt. Registrar (A&C), Jamia Millia Islamia, New Delhi - 25.

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15. The Director, Dr. Zakir Hussain Institute of Islamic Studies,
Jamia Millia Islamia, New Delhi - 25.

16. The Secretary to the Shaikhul Jamia (Vice-Chancellor), Jamia
Millia Islamia, New Delhi - 25.

17. The Supervisor of the Ph.D. Candidate:

Dr. (Mrs.) Kum Kum Dewan, Department of Mathematics, Jamia Millia
Islamia, New Delhi - 110 025.

18. The Ph.D. Candidate:

Ms. Jagjeet Kaur, 8/6478, Dev Nagar, New Delhi - 110 005.

Mudraim Singh

/s/ Controller of Examinations

a. Jaatrey