



D.O.No.32/2/62-PC.

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

NEW DELHI-1. 14th April. 1964. CSX

Dear Dr. Swaminathan,

I have great pleasure in conveying to you my heartiest congratulations on your being awarded the Shanti Swarup Bhatnagar Memorial Award. I have been watching with some pride and satisfaction the wonderful work which is being done by some of our scientists. I am happy to find that your work has been recognized in this befitting fashion.

I am sure you will continue in your endeavours and also inculcate amongst your junior colleagues the same sense of devotion and dedication as have led to your present recognition.

Yours sincerely,

*Jawaharlal Nehru*

(Jawaharlal Nehru)

Dr. M.S. Swaminathan,  
Head of the Division of  
Botany.  
Indian Agricultural Research  
Institute.  
New Delhi-12.

Dr. M.S. Swaminathan.

No. P/5412 to 5413

April 17, 64

Shri Jawaharlal Nehru,  
Prime Minister & President of the  
Governing Body,  
Council of Scientific & Industrial Research,  
Rafi Marg,  
New Delhi-1.

Dear Sir,

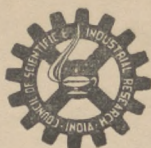
I cannot find words to give adequate expression to my sense of gratitude to you for your D.O. letter No. 32/2/62-PC dated April 14, 1964. To us who have the privilege of working on the application of scientific knowledge for the economic advancement of our country, you have been the principal source of inspiration. All our difficulties vanish and only possibilities come to light when we think of your own life and work. I consider your letter as a symbol of the great interest you have in the work and welfare of our scientists. I wish to assure you that I shall strive my very best to fulfil your expectations.

Yours faithfully,

*M.S.* ( M.S. Swaminathan.)  
Head of the Division of Botany.

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COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

SHANTI SWARUP BHATNAGAR MEMORIAL AWARD  
FOR SCIENTIFIC RESEARCH

Citation

Dr M. S. Swaminathan

The Shanti Swarup Bhatnagar Memorial Award for the year 1961 in Biology has been given to Dr M. S. Swaminathan for his original contribution in the field of radiation genetics and mutation research.

Dr M. S. Swaminathan, Head of the Division of Botany, Indian Agricultural Research Institute, New Delhi has set up a well-known school of research in the field of radiation genetics and mutation research at the Indian Agricultural Research Institute, New Delhi. His original contribution (1948-58) include the elucidation of the origin of potato, dwarf coconut and bread wheat, the nuclear cytology of yeasts, the classification and genetics of polyploid plants, monosomic analysis in wheat, the role of infection in heredity, the relationship between chromosome associations and seed fertility in autopolyploids and standardization of techniques for overcoming interspecific incompatibility barriers. His recent contribution (1959-64) relate to the experimental manipulation of genes in a purposeful direction which has been the primary research interest in recent years. This work has involved the use of a wide array of mutagens, both physical (X-rays, gamma-rays, fast and thermal neutrons, and  $\beta$ -particles) and chemical (alkylating agents and free radicals). He has published over 140 research papers. He is President of the Indian Society of Genetics and Plant Breeding, Fellow of the National Institute of Sciences of India and Indian Academy of Sciences, Vice-President of the XI International Genetics Congress held at the Hague in 1963, Editor, 'Radiation Botany', Chief Editor of the I.A.R.I. Post-Graduate School Journal and member of the Editorial Board of the CSIR journals.