

Bio-data
Prof. Yash Pal (1926-2017)
Renowned Scientist

Prof. Yash Pal was born on 26 November 1926 at Jhang, Punjab Province, British India to Lakshmi Devi and Ram Piyare Lal; ed. M.Sc. in Physics, Punjab University, 1949, Ph.D. in Physics, Massachusetts Institute of Technology, United States, 1958; associated with Tata Institute of Fundamental Research in different capacities, 1949-83; Director, Space Applications Centre, Ahmedabad, 1973-81; Distinguished Scientist, Indian Space Research Organisation, 1980-83; Secretary General, 2nd United National Conference on Peaceful Uses of Outer Space, 1981-82; Chief Consultant, Planning Commission, 1983-84; Secretary, Department of Science and Technology, 1984-86; Chairman, National Institute of Design, 1984-91, University Grants Commission, 1986-91, National Organising Committee, Bharat Jana Gyan Vigyan Jatha, 1992, Steering Committee for the National Curriculum Framework, 2005; General President, Indian Science Congress, 1989-90; Jawaharlal Nehru Chair in Technology, Punjab University, 1997-99; Chancellor, Jawaharlal Nehru University, New Delhi, 2007-2012; Member, Indian Academy of Sciences, National Academy of Science, Indian National Academy of Engineering, International Academy of Astronautic, National Fellow of the National Institute of Education, American Academy of Arts and Sciences; Honorary Fellow, Inter University Centre for Astronomy and Astrophysics, Indian Society of Astronautics, Computer Society of India, Institute of Electrical and Telecommunication Engineers; Fellow, Indian National Science Academy, National Mahatma Gandhi Fellow; Honours and Awards, Padma Bhushan, 1976, Marconi International Fellowship Award, 1980, Dayanand Saraswati Centenary Gold Medal for Excellence in Science, 1984, Arthur C. Clarke Award, 1994, NCSTC National Award, 2000, Padma Vibhushan, 2013, etc.; died on 24 July 2017.

His publications include: *Discovery of Negative K-Meson, Elucidation of Properties of K-Mesons and Hyperons, Predication of Rise in p-p Cross Section, Cosmic-Ray Phenomenology Including Fluxes of Various Particles in the Atmosphere and Below Ground*, etc.

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LIST OF THE PAPERS OF PROF. YASH PAL

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LIST OF THE PAPERS OF PROF. YASH PAL

I. **Correspondence**

(A) **Individual Correspondence**

<u>S. No.</u>	<u>To/From</u>	<u>Description</u>	<u>No. of Pages</u>	<u>Remarks</u>
1	2	3	4	5
		<u>Bhutani, Om</u>		
1.	From	17 June 1952	2	Holograph Addressed to Nirmal Sharma English
		<u>Dewan, Kum Kum</u>		
2.	From	8 May 2012	1+15	Autograph Enclosing resume of Kum Kum Dewan English
		<u>Gupta, A.C.</u>		Financial Adviser, Centre for Research in Rural and Industrial Development
3.	From	12 July 2004	2	Autograph Includes envelope of the letter English

1	2	3	4	5
		<u>Maheswari, Rahul</u>		Managing Director, <i>Amar Ujala</i>
4.	From	Undated	1	Autograph English
		<u>Rangarajan, Mahesh</u>		Director, Nehru Memorial Museum and Library
5.	From	21 May 2012	2	Autograph Includes envelope of the letter English
		<u>Singh, Kuldip</u>		
6.	From	13 January 1953	4	Holograph English
7.	[From]	12 October 1953	3	Holograph English
		<u>Tandon, S.N</u>		
8.	From	6 June 2012	1+2	Typed Email Enclosing travel itinerary of Prof. Yash Pal's visit to Bangalore English

I (B). Miscellaneous Correspondence

<u>S. No.</u>	<u>Description</u>	<u>Period</u>	<u>No. of Pages</u>	<u>Remarks</u>
1	2	3	4	5
1.	Miscellaneous correspondence carried out with Mani, Canchal Kumari, S.K. Kapur and others	1948-2012	100	English and Hindi

II (A). Speeches/Writings/Articles by Him

<u>S. No.</u>	<u>Description</u>	<u>Period</u>	<u>No. of Pages</u>	<u>Remarks</u>
1	2	3	4	5
1.	An article entitled 'Science as an Integral Way of Living'	1980	8	Published in <i>Society and Science</i> - a journal of Nehru Centre English

II (B). Notebooks and Dairies

<u>S. No.</u>	<u>Description</u>	<u>Period</u>	<u>No. of Pages</u>	<u>Remarks</u>
1	2	3	4	5
1.	Notes on quantum mechanics on a course by Prof. V.F. Weisskopf. Includes notes on subjects such as Rutherford Model, Probability Packet, Hamiltonian Mechanics, Problem of Hermanic Oscillators, Pauli Matrices, Theory of Radiation, etc.	1954-55	568	English

1	2	3	4	5
2.	Notes on Relative Quantum Mechanics explaining theories of Villars, Freshbach, Weisskopf and Schwings on subjects such as matrices, scalars, Vectors and Tensors Theory of Free Meson, relativity and electro-magnetism, wave equation, field transfer and quantisation, Klein-Gordan Equation, etc.	[1955-62]	522	English
3.	Notebook containing preparatory notes for various convocation speeches and seminar papers on subjects such as astronomy, high energy physics, education, industry, entrepreneurship, history of science, chromo biology, etc.	1986-89	101	English
4.	Notebook containing convocation speeches and preparatory notes on subjects such as religion, technology, agriculture, biology, architecture, radiation, ethics and scientific temper, economics, non-alignment, communication, etc.	1988-90	128	English and Hindi
5.	Notebook containing preparatory notes for various convocation speeches and lectures on subjects such as education, science, space, human development, telecommunication, etc.	1990	71	English
6.	Preparatory notes, speeches and lectures on subjects such as science in society, communication and networking, environment and science, education, astronomy, physics, missile technology, biotechnology, globalisation, foreign trade and foreign relations	1991-92	176	English
7.	Notes containing preparatory notes on lectures and reports addressed by him on subjects such as biology, DNA finger printing, science and technology, education, self-reliance and self-evaluation, etc. Also includes schedule of a seminar	1992-94	153	English and Urdu

1	2	3	4	5
8.	Preparatory notes, speeches and lectures on subjects such as information technology, communication, astronomy, globalisation, environmental consciousness, education, radical science, missile technology and control regime, intellectual property right, etc.	1994-95	205	English
9.	Notebook containing schedules and invitations to lectures delivered by him, preparatory notes on lecture dealing with subjects such as globalisation, science and technology, web structure, children education, etc.	1994-98	201	English and Hindi
10.	Notebook containing subjects such as biotechnology, energy use, habitation, education, communication, etc. Also contains an incomplete letter addressed to the Prime Minister	Undated	12	English and Hindi
11.	Notebook containing notes on topics such as 'Rishte: Vigyan, Brahmand, Samaj', terrorism, radio, contact details of various personalities, etc.	Undated	5	English

III. Speeches/Writings/Articles by Others

<u>S. No.</u>	<u>Description</u>	<u>Period</u>	<u>No. of Pages</u>	<u>Remarks</u>
1	2	3	4	5
1.	Lecture notes prepared by A. Bincer for a course on Relativistic Quantum Mechanics given by Prof. V.F. Weisskopf at M.I.T.	1953-54	399	Typed copy English
2.	'Sarkar and Vigyan: Problems and Prospects of Government and Science in India' by Ward Morehouse	1967	514	Typed copy English

1	2	3	4	5
3.	An article entitled 'Liberalisation of Universities Promoting Slow Death' by Dinesh Mohan	1994	1	Published in <i>Economic and Political Weekly</i> English
4.	An article entitled 'Cost and Price of Higher Education' by Tapas Majumdar	Undated	6	Typed copy English
5.	An article entitled 'Education, GNP and the Elusive Six Percent' by Tapas Majumdar	Undated	6	Typed copy English
6.	An article entitled 'Traces of Prehistoric Language Structure Found in Great Andamanese Language' by Anvita Abbi	Undated	10	Typed copy English
7.	An article entitled 'Advances in Science and Engineering: The Role of Instrumentation'	Undated	25	Typed copy Author unknown English

IV. Printed Material

<u>S. No.</u>	<u>Description</u>	<u>Period</u>	<u>No. of Pages</u>	<u>Remarks</u>
1	2	3	4	5
1.	Report of the Working Group on Software for Doordarshan 'An India Personality for Television- Vol. I'	1984	388	English
2.	Report of the Working Group on Software for Doordarshan 'An India Personality for Television- Vol. II'	1984	92	English
3.	Report of the Working Group on Software for Doordarshan 'An India Personality for Television- Vol. III'	1984	570	English

1	2	3	4	5
4.	A book entitled <i>Rama-Legends and Rama-Reliefs in Indonesia</i> by Willem Stutterheim	1989	554	English
5.	A pamphlet entitled 'UGC: Countrywide Classroom - A Window on the World'	[1992]	6	English
6.	'K.S. Krishnan- Birth Centenary Souvenir'	1998	176	Published by Department of Physics, University of Allahabad English
7.	<i>Bhatasan Suchanapatra</i> - An issue of a newsletter of Indian Institute of Astrophysics	[2012]	16	English

V. Other Papers

<u>S. No.</u>	<u>Description</u>	<u>Period</u>	<u>No. of Pages</u>	<u>Remarks</u>
1	2	3	4	5
1.	Papers on Astrosat, a visiting card of Adarsh Printers and a pamphlet of Shishu Milap - a project of Sahaj Public Trust and Society	2012	9	Typed copy English