

CHAPTER XXI

PUBLICATIONS IN 1963-64

CHEMISTRY

Title	Authors	Journal
Stability of Fe (III) Chelate of Cresotic Acids. A Spectrophotometric Study of Fe(III) m-Cresotic Acid Chelate	S. S. Katiyar and V. B. S. Chauhan	J. Inorg. Nuel. Chem. 25, 1375 (1963)
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Chelate Formation between Iron (III) and o-Cresotic Acid, a spectrophotometric Study . r..	S. S. Katiyar and V. B. S. Chauhan	Z. Anorg. u. allgem Chemie 323,28 (1963)
l-Isonicotinoyl 2-Salicyldenc Hydrazine as a New Chelatometric Reagent	S. S. Katiyar and	'ralanta 11,892 (1964)
Detection of Sub-Micro Quantities of Thorium by Solochrome Azurine B. S.	S. N. Tandon	~
l-Isonicotinoyl 2-Salicyldene Hydrazine as a Metallochromic Indicator for Iron (III)	S. S. Katiyar and S. N. Tandon	Mikrochimica . Acta 1,55 (1964)
Physico-Chemical Studies on Brilliant Green	S. S. Katiyar and S. N. Tandon	J. Ind. Chern. Soc. 41,219 (1964)
Contribution to the Infrared Spectra of Organosulfur Compounds and Five-membered N-and N, S-Heterocyclic Compounds	S. S. Katiyar	Agra Univ. Journ. of Res. 12,149 (1963)
Disproportionation of Non-stoichiometric Rare earth Oxides	C. N. R. Rao and R. Venkataraghavan C. N.R. Rao	Canadian J. Chern, 42,36,43 (1964) Rare Earth Research Mc Millan Co., (1964)

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"Ultraviolet and Visible Spectroscopy" Reprinting of the First Edition- by Butterworths (London)-Japanese Translation by Prof. Nakagawa published in Tokyo, Japan	C. N. R. Rao	
"Chemical Applications of Infrared Spectroscopy", Acad.emic Press, New York and London, 700 pages, \$ 19'50	C. N. R. Rao	
<::~~eJDical. Engineering		
Engineering Science and Technology-Integration for India's Maximum Growth	Charles E. Dryden	Indian Chemical Engineer October, 1963 Page 172-176
Radiant Heat Exchange to Tubes in enclosed Muffie Furnaces	-do-	The Journal of Chemical Engineering Education Volume 2 Number 2, December 1963
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HUMANITIES		
Types of Ethical Analysis	Dr. R. Prasad	Darshanika

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Title	Authors	Journals
Non-cognitive Discourse	Dr. R. Prasad	A Journal of Indian Academy of Phios'ophy
Freed-om and Determinism	-do-	Journal of Philosophical Association
Ethics, Meta-ethics and moral life	-do-	Proceedings of the Delhi Philosophical Colloquiu'm
Bhartiya Samaj Aur Sanskriti (Book)	Dr. K. N. Sharma	Kishoni Publishing House Parade, Kanpllr (5th edition) Sept. 1963
8'echner's law-an erroneous proposition	Mr. O. P. Tayal	J. Gen. Psycholo (U.S.A.)
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the effect of small steady disturbances in compressible fluid	Prof. J. N. Kapur	The Mathematics Seminar, III, 1-8 (1963)
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Prof. J. N. Kapur with
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Prof. J. N. Kapur

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Characterisation of axially-symmetric self-superposable flows in
magnetohydrodynamic;

Prof. J. N. Kapur

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Rotational flow of viscous incompressible fluids in which the
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Form function for quadratubular charges

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Axially symmetric and two-dimensional stagnation point flows for a certain visco-elastic fluid	Prof. J. N. Kapur with R. C. Srivastava	Journ. Physical Society of Japan XVIII, 441-444 (1963)
On the solution of a problem of textile industry by linear programming	Prof. J. N. Kapur	Journ. National Productivity Council India, IV296,,302 (1963)
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Flow of a conducting viscoelastic fluid between two plates under a transverse magnetic field and with suction and injection	Prof. J. N. Kapur with R. K. Rathy	Applied Scientific Research . XB, 321-328 (1963)
Two dimensional stagnation point flow of a certain visco-elastic fluid with large suction	Prof. J. N. Kapur with R. C. Gupta	Arch. Mech. Poland XI, 710-717 (1963)
Flow of viscous incompressible fluids in an annulus with variable suction and injection along walls	Prof. J. N. Kapur with B. L. Bhatia	Journ. Phys. Soc. Japan XIX, 125-129 (1964)
Flow of a non-Newtonian fluid between two rotating cylinders with suction and injection	Prof. J. N. Kapur with ShashiGoel	Physic! of fluids, Vol. VI, 626-631 (1963)

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Two dimensional elliptic inclusions	Prof. R. D. Bhargava with H. C. Radhakrishna	Proc. Camb. Phil. Soc.; Vol. 59, p: 811-820, October 1963
Elliptic inclusion in a stressed matrix	Prof. R. D. Bhargava with H. C. Radhakrishna	Proc. Camb. Phil. Soc., with H. C. Radhakrishna Vol. 59, October 1963
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Two dimensional triangular inclusions in an elastic infinite medium	Prof. R. D. Bhargava with O. P. Kapur	Bull. De L' Academic. Polonaise Des Sciences, Vol. XI, No.7, p. 257-263, 1963
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Torsion and flexure problem of a beam of curvilinear cross section	Prof. R. D. Bhargava with C. B. Sarma	Math. Seminar, Vol. II, No. 1 and 2, p. 9-21, Jan. and April, 1963

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A note on body' force equations in orthogonal curvilinear coordinates	Prof. R. D. Bharga va	American Mathematical Monthly, 1963
Combustion of a solid propellant with an eccentric hole	-Prof. R.D. Bhargava -	LABDEV Vol. 1, 46~4:8 (1963)
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A note on means of Entire functions	Dr. R.S.L. Srivastava.	Revista Mathematica Hispano Americana. Series ~ Tano XXII, November 4, 1963
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On the unsteady flow of a viscous incompressible fluid in a pipe or channel.	Sbri P.N. Srivastava	The Maths. Seminar, Vo.,3 pp. 44~53, 1963

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Title	Authors	Journal
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Tangential flow of a power law fluid in an annulus	Shri P.N. Srivastava with j.N. Kapur	ZAMM 1963. Vol. 43, pp. 237-238
Propagation of small disturbances in a viscoelastic liquid contained in an infinite cylinder due to the slow angular motion of its base.	Shri P.N. Srivastava	Indian Jour. of Maths. - 1964 Vol. 6.
Hypersurfaces of a generalised Finsler space, tensor	Dr. A.C. Shamihoke	,Tensor, New Series, Vol. -13 yp. 129-144, 1963
Principal curvature of a vector field in a hypersurface of a generalised finsler space	Dr. A.C. Shamihoke	Revue de la Faculte des Sciences de l' Universite d' Istambul, Series A, VoL 27pp. 9-14, 1962 .
Flow of a viscous incompressible fluid in an annulus with variable suction and injection along the walls	Shri B.L. Bhatia With Prof. j.N. Kapur	journal of the Physical Society of japan, Vol. 19 No.1, p. 125-129 Jan., 1964
Flow between two co-axial cones under a radial force	Shri R.K. Rathy	ZAMM Vol. 43. 1963 p. 281-283
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On the integral functions defined by Dirichlet	-do-	Amer. Math. Monthly 1963
Geographical determination of solar apex from stars with large proper motions in the Oxford Astronomical Zones 32° and 33°, derived by Gayal	Shri V.K. Srivastava with R.C. Rai and R.C. Shringi,	Rajasthan Studies, Phy. sical Sciences, Vol. VII, 1961-62
Note on the distribution of small proper motions in 87 regions common to the Potsdam Harvard photographic Himmels Karte, and Oxford Illustration catalogues of 32° and 33°	Shri V.K. Srivastava with A.N. Goyal and B.L. Sharma	The Vikram Vol. V, NO. 2, pp. 133-146, 1961-62

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Pressure distribution for hypersonic boundary layer flow

Queue system, *M/M/1* with given initial state probability distribution

Queue with poisson input and hyper-exponential output with finite waiting space

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