This Special Volume of
JNÂNÂBHA
is Being Dedicated to Honor
DR. R. C. SINGH CHANDEL
on His 75th Birth Anniversary Celebrations

DR. RAM CHARAN SINGH CHANDEL
(Born: July 07, 1945)
I know Dr. R. C. Singh Chandel since July 1964 when both of us were first year students in Master’s Program in Mathematics at Government Science College, Gwalior, a premier institute of learning of Madhya Pradesh those days. When the university center of learning were not established he was a shy young lad and innocent looks as with few words as he came from a rural background of the Nagla Fauzi a Village of bordering Uttar Pradesh State, India, where he born on 7th July, 1945. He did his schooling at Sirsaganj, Jasrana and graduation form Narain College, Shikohabad (Agra University, Agra) of Uttar Pradesh.

During Masters’ program he was a silent and deligdent student unlike two other top position competitors students, myself and one Gopal Das Lakhani, who is in USA at present. We two were together again when joined Ph.D. program in 1966 jointly at SATI, Vidisha registered at Vikram University, Ujjain, MP, India under the same supervisor Professor P. M. Gupta but on different topics. We shared the same apartment in Vidisha and were couleague round the clock. He got married during this period with Ms. Madhavi Chandel, a silent well educated and dedicated house wife who stood solid behind Dr. Chandel througout her life till she expired about 9 year back. Still RCS Continued his hard work for the VPI and Journal Jñānabha even having responsibility of house hold.

After completing Ph.D. he joined as Lecturer at D. V. Postgraduate College, Orai (Bundelkhand University, Jhansi) Uttar Pradesh located at Jhansi-Kanpur highway, while I parted his company to join as postdoctoral fellow at SATI first and then at M.A.C.T. (MANIT) Bhopal. I was little bit surprised by his decision to join a semi Government institution, that too at a town not known as an educational destination. But I proved wrong as he became asset to the institution by developing it as center of Mathematical Education and Research. He dedicated his entire teaching carrier to D. V. Postgraduate College, Orai, working at successive higher positions till he retired as Associate Professor of Mathematics in 2008. His unofficial affiliation to the college still continues due to establishment of a Research society called ‘Vijñāna Parishad of India’ (VPI) and launching simultaneously its research journal named as ‘Jñānabha’ pronounced as ज्ञानाब्हा in Hindi. I was keenly and anxiously supporting him and contributed a landmark research articles in it.

Vijñāna Parishad of India has become synonymous with Dr. R. C. Singh Chandel and D. V. Postgraduate College, Orai, which is now completing fifty years of glorious journey with support from Professor H. M. Srivastava, University of Victoria, B. C., Canada as Foreign Secretary and Chief Editor, Jñānabha. Eminent mathematicians are on the Editorial Board from all over the world while Dr. Chandel is its Founder Executive Editor. This journal is recognized internationally and reviewed regularly among others by Zentralblatt für Mathematik Germany and Mathematical Reviews, USA, This journal is already recognized by the University Grant Commission of India. With Dr. Chandel’s almost single handed efforts Jñānabha has achieved new highlights and circulated throughout the country and abroad, VPI saw a new dimension in terms of National and International conferences hosted at leading Institutions of North India including MANIT, Bhopal, Netaji Subhas Institute Delhi and BITS, Pilani with participants from different parts of India and abroad. It grew fast and collaborated with other leading societies like Gwalior Academy of Mathematical Sciences and Society for Special Functions and Applications of which Dr. Chandel is an integral part. VPI is also a member of prestigious TMC (The Mathematics Consortium).

At the same time R. C. S. Chandel created his own pitch in the field of Mathematics by publishing large number of research papers and books (List enclosed) and delivering Lectures all India and abroad. He supervised about twenty Ph.D. scholars and visited following Institutions : Memorial University of Newfoundland, St. John’s, Canada, University of Victoria, Victoria, B. C., Canada. He was also offered as Associate Professor in University of Minnesota, Duluth, USA but he did not join due to some personal circumstances.

He participated, gave invited talks and chaired sessions in International Conference at University of Newfoundland St. John’s, Canada, Summer Meeting of American Mathematical Society (Chicago), Conference of American Math.

DOI: https://doi.org/10.58250/jnanabha.2020.50200
Society and Mathematics Association of America at Wyoming and delivered lecture at Fourth ISAAC Congress at York University, Toronto, Canada.

He has several prestigious awards and honours to his credit including life membership of several academic societies. Some of them are given below:

**Awards and Honors:**
3. *Senior Rotary Distinguished Service Award*, 2019: Rotary club of Orai (RI District 3110).
5. *Best Teacher Award and Gold Medal*, 2001: Bundelkhand University, Jhansi, Uttar Pradesh, India for outstanding contribution in Teaching, Research and National Development.
7. *Outstanding Man of the 20th Century, 1999*: American Biographical Institute, USA.
8. *Distinguished Service Award* 1996: Vijñāna Parishad of India for the outstanding contribution to Mathematics and Distinguished Services rendered to Vijñāna Parishad of India.

**Fellowship Award:**
1. *Paul Harris Fellow Award (PHF)*, 2018: Rotary International.

**Life Member of various National or International Societies:**
1. National Academy of Sciences, India.
2. Vijñāna Parishad of India.
4. BHU Math, Society.
5. SSFA (Society for Special Functions and Applications, India).
6. GAMS (Gwalior Academy of Mathematical Sciences).
7. CONSORTIUM.
8. Annual Member of American Math, Society for last 20 years.

**Social Services: Rotary International since last 38 years**
1. Chairman Literacy Volunteer Management: RI District 3110 (2020-21).
2. Rotary District Secretary (Youth Promotion): RI District 3110 (2019-20).

**Books Authored** (See Appendix)
Single Authored: 4 Books for Graduate classes.
Co-authored: 1 Book for B.E. Classes.
8 Books for Graduate classes.

**List of Research Publications** (See Appendix)

We his colleagues and friends feel proud at the achievements of an unparallel personality of Dr. R. C. Singh Chandel. I am sure his parents Late Shri Bridawan Singh and Late Smt. Champa Devi will shower heavenly blessings as well as his worthsons Parmatma, Onkar Singh (Washington, USA) and Ram Chandel (California, USA) will be bestowing their heart felt admiration on the completion of seventy five gracious years of age of Dr. Ram Charan Singh Chandel.
APPENDIX

List of Publications

42. Additional applications of binomial analogue of Srivastava’s Theorem, *Indian J. Pure Appl. Math.*, 27 (1985), 137-141 [with H. C. Yadava]
47. Multiple hypergeometric functions related to Lauricella functions, *Jānānabha*, 16 (1986), 173-185 [with P. K. Vishwakarma]


69. Two variables analogue of Gould and Hopper’s polynomials, Jour. MACT, 25 (1992), 63-69 [with R. D. Agrawal and H. Kumar].

70. Unified presentation of two general sequences of functions, Āyanātha, 22 (1992), 13-22 [with Shashi Agrawal].

71. Binomial analogues of the class of addition theorems of Srivastava, Lovoie and Tremblay, Āyanātha, 22 (1992), 23-29 [with Shashi Agrawal].


73. Velocity coefficient of chemical reaction and Lauricella’s multiple hypergeometric function, Math. Student, 63 (1993), 1-4 [with R. D. Agrawal and H. Kumar].

74. Multiple hypergeometric function of Srivastava and Daoust and its applications in two boundary value problems, Āyanātha 23 (1993), 97-103 [with Abha Tiwari].

75. Multivariable analogues of a class of polynomials, Āyanātha 23 (1993), 105-113 [with Shashi Agrawal].


78. A multilinear generating function, Math Ed. (Siwan), 28 (1994), 32-37 [with Abha Tiwari].

79. On some relations between hypergeometric functions of three and four variables, Āyanātha 26 (1996), 72-82 [with P. K. Vishwakarma].

80. Fractional derivatives of the multiple hypergeometric functions of four variables, Āyanātha 26 (1996), 83-87 [with P. K. Vishwakarma].

81. Some probability distributions and expectations associated with multivariate beta and gamma distributions involving multiple hypergeometric functions of Srivastava and Daoust, Āyanātha 27 (1997), 131-137 [with P. K. Vishwakarma].

82. Some more inequalities involving Fox’s $H$-function, Āyanātha 28 (1998), 133-140 [with H. Kumar].

83. Determination of phase shift difference for binomial potential function, Āyanātha 28 (1998), 141-146 [with H. Kumar].

84. Phase shifts involving multiple hypergeometric functions of Srivastava and Daoust, Āyanātha 29 (1999), 117-122 [with H. Kumar and R. D. Agrawal].

85. Some expectations associated with Multivariate Gamma and Beta Distributions involving the multiple hypergeometric function of Srivastava and Daoust, Āyanātha 30 (2000), 9-16 [with P. K. Vishwakarma].

86. On some multidimensional integral transforms of Srivastava and Panda’s $H$-function of several complex variables, Āyanātha 30 (2000), 125-130 [With Kamlendra Kumar].

87. Integrals involving multiple hypergeometric functions of several variables through difference operator approach, Āyanātha 31/32 (2002) 151-157. [with S. S. Chauhan].


90. On two boundary value problems, Āyanātha 31/32 (2002), 89-104. [with S. Sengar].

91. A problem on heat conduction in a rod under the Robin condition, Āyanātha 33 (2003), 131-138. [with S. Sengar].


93. Temperature distribution due to population growth of interacting multispecies in the limited environment, Mathematics and Information Theory: Recent topics and applications, (Editor V. K. Kanpur), Anannya Publishers, New Delhi, India, 2004 [with Hemant Kumar].

94. Fractional derivatives of our hypergeometric functions of four variables, Āyanātha 34 (2004), 113-132. [with S. Sharma].

95. Two boundary value problems, Indian J. Theoretical Physics, 53 (4), (2005), 339-350. [with Yogesh Kumar].

96. Generalized multidimensional Laguerre transforms, Āyanātha, 35 (2005), 17-27 [with Kamlendra Kumar].

97. On a general class of generating functions and its applications, Āyanātha, 35 (2005), 67-72 [with H. Kumar and S. Sengar].

98. On some generalized results of fractional derivatives, Āyanātha, 36 (2006), 105-112 [with Yogesh Kumar].
Special Articles

1. Professor Kanahiya Lal Singh (February 15, 1944- November 22, 1990) (Dedicated to the Memory of Professor K. L. Singh), Jñanābha, 22 (1992), I-XIII.
5. Professor S. P. Singh: As a Man and Mathematician, (Dedicated to Honour Professor S. P. Singh on His 70th Birthday) Jñanābha, 37 (2007), 1-20.
Books Authored (Graduate Level)

Single Authored

1. Co-ordinate Geometry,
   Shiv Lal Agarwala and Co, Agra
2. Numerical Analysis,
   Variety Books Publisher’s Distributors, Delhi
3. Elements of Matrices,
   " " "
4. Trigonometry,
   " " "

Co-authored

1. Engineering Mathematics-1,
   Variety Books Publisher’s Distributors, Dehi
2. Algebra and Trigonometry,
   Krishna Prakashan, Meerut
3. Geometry and Vector Calculus,
   " " "
4. Complex Analysis,
   " " "
5. Real Analysis,
   " " "
6. Advanced Calculus and Tensor,
   " " "
7. Differential Equations and Integral Transforms,
   " " "
8. Mechanics,
   " " "
9. Numerical Analysis and Statistics,
   " " "

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References

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   http://www.vijnanaparishadofindia.org/jnanabha
[2] Founder Secretary, VPI
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[4] Research Gate
   https://www.researchgate.net/profile/R_C_Singh_Chandel
[5] LinkedIn
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