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**This “FCAA” Issue is
Dedicated to 70th Anniversary
of Professor H.M. Srivastava**

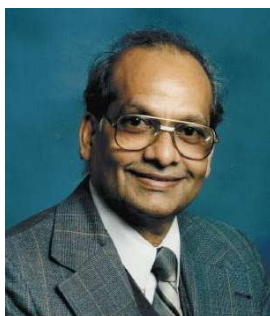
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For CV, Publications and Honors of Prof. Srivastava, see also

<http://www.math.uvic.ca/faculty/harimsri/>

**PROF. H.M. SRIVASTAVA'S 70th BIRTHDAY
ANNIVERSARY**



Professor Hari Mohan Srivastava is Editor, Honorary Editor, Associate or Senior Editor, or Editorial Board Member at more than 200 international scientific research journals.

Among them is our journal “*Fractional Calculus and Applied Analysis*” (FCAA), where this year he is promoted as an Honorary Editor. The special issues of this journal: FCAA, Vol. 3, No 3 (2000), 319-326, Vol. 8, No 4 (2005), 387-392, and Vol. 13, No 3 (2010), 342, contained also detailed biographical data for Prof. H.M. Srivastava, list of his publications, etc.

Please, visit also his Web site
<http://www.math.uvic.ca/faculty/harimsri/>.

1. Brief CV data

Professor Hari Mohan Srivastava was born on 5th July 1940 at Karon in District Ballia of the Province of Uttar Pradesh in India. After a Primary School, H.M. Srivastava was admitted in 1946, at the age of 6 years only – after his successful performance in the mandatory written and oral entrance examinations, directly into Grade 3 of the Government Higher Secondary School at Ballia. There the completion of all grades (till Grade 10) in 1953, was accelerated by taking at once or skipping some of the grades, thanks to his excellent performance. During the next two years (1953-1955), he studied at the B.N.V. College at Rath in District Hamirpur of the Province of Uttar Pradesh, where he completed his I.Sc. in 1955, breaking all existing academic and scholarly records of that College as well as in other colleges in the region.

Prof. Srivastava was university educated at the University of Allahabad, where he completed his B.Sc. in 1957 and M.Sc. in 1959. Besides being a throughout high First class [right from High School (1953) to M.Sc. (1959)] and meritorious product of the University of Allahabad, and having won a number of merit prizes and scholarships, he was awarded the Allahabad Jubilee Medal in the year 1959. During his four-year stay (1955-1959) at the University of Allahabad, Professor Srivastava also published two first-prize-winning short stories in English, which were subsequently translated and published in other Indian languages (especially in Hindi).

Professor Srivastava began his university-level teaching career in 1959, at the age of 19 years. He taught at D.M. Government College in Imphal (now Manipur University) during the academic year 1959-1960 and at the University of Roorkee (now the Indian Institute of Technology at Roorkee) during the academic years 1960-1963. Then, he moved to Jodhpur University (now Jai Narain Vyas University), where he received his Ph.D. degree in 1965, while being a full-time member of the teaching staff at Jodhpur University (since 1963). Currently, Professor Srivastava holds the position of a Professor Emeritus in the Department of Mathematics and Statistics at the University of Victoria in Canada. He joined the faculty there in 1969 [first as Associate Professor (1969-1974) and then as Full Professor (1974-2006)]. He has held also numerous visiting positions including (for example) those at West Virginia University in USA (1967-1969), Université Laval in Canada (1975), the University of Glasgow in UK (1975-1976), and at many other universities and research institutes in different parts of the world.

2. Family and hobbies

Prof. Srivastava's childhood and later life were greatly influenced both spiritually and culturally, by his parents' educational, professional and religious background, that also significantly strengthened his pre-university education especially in the subjects of English and Mathematics.

Professor Srivastava's academic as well as personal life has been greatly enriched by the dedicated and whole-hearted support of his wife, Prof. Dr. Rekha Srivastava, who is also a mathematician and colleague in the same Department of Mathematics and Statistics at the University of Victoria, and by his two children, Sapna Srivastava (who is currently working as a Journalist in New York after her Master's degree in Journalism from Fordham University in New York) and Gautam Mohan Srivastava (who is currently at the final stages of completing his Ph.D. in the Department of Computer Science at the University of Victoria). Many of Professor Srivastava's teachers (especially those at the University of Allahabad), too, deserve to be credited for his choice of a teaching career and for his academic and scholarly accomplishments in his chosen profession.

Among the main hobbies of Prof. Srivastava, in the short-time relax from research and other professional activities, are: watching movies and serials (mostly in Hindi) on large-screen television at home with his family; interest in sports – as his active participation in hockey games until recently, regular attendance at baseball games - live (especially when his son, who is presently also a successful Baseball Coach, used to play) or on television - with his wife (who incidentally got him deeply interested in baseball games, too). Besides, the spiritual and religious inclinations of Professor Srivastava and his wife, which were implanted in them by the cultural and spiritual environment of their respective families, grew much stronger in their own family life. He and his wife, together with their children, have contributed significantly to community and other related services to the society.

3. Honours, awards, publications

Prof. Srivastava is an Honorary Member or elected Fellow of many foreign scientific societies and academies and recipient of long list of awards and honors. He has authored a long list of books and edited volumes (18); book and encyclopedia chapters (30); papers in international conference proceedings (42) and hundreds of (more than 900) scientific journal articles. Prof. Srivastava has been, and currently is, a supervisor and collaborator of many post-graduate students and younger colleagues on their M.Sc., Ph.D. and D.Sc. degrees and research work in different parts of the world.

A list of his books and other publications, some awards and honors, can be seen at H.M. Srivastava's website; in FCAA, Vol. 3, No 3 (2000), 319-326, and in FCAA, Vol. 8, No 4 (2005), 387-392, at:
http://www.math.bas.bg/~fcaa/volume8/fcaa84/Srivastava_65th.pdf

Professor Srivastava's over 50-year career as a university-level teacher and as a remarkably fruitful researcher in many different areas of the mathematical, physical, and statistical sciences is highlighted by the fact that he has collaborated and published joint papers with as many as 350 mathematicians, physicists, statisticians, chemists, astrophysicists, and geochemists who are scattered throughout the world, thereby qualifying for his Erdős number 2, implying that at least one of Professor Srivastava's co-authors is a co-author of the famous Hungarian mathematician, Paul Erdős (1913-1996). Professor Srivastava's collaboration distances with other famous scientists include his Einstein number 3, von Neumann number 3, and so on.

In addition, he has written Forewords to several books by other authors and to several special issues of scientific journals. He has also edited (and contributed to) many volumes which are dedicated to the memories of famous mathematical scientists. A great number of citations of his research contributions can be found in many books and monographs, Ph.D. and D.Sc. theses, and scientific journal articles. His biographical sketches have appeared in various issues of more than 50 international biographies, directories, and Who's Who's.

Some of the most recent prizes and distinctions awarded to Professor Srivastava include (for example) the following: 1. NSERC 25-Year Award: University of Victoria, Canada (2004) 2. The Nishiwaki Prize: Japan (2004) 3. Doctor of Science (Honoris Causa): Chung Yuan Christian University, Chung-Li, Taiwan, Republic of China (2006) 4. Doctor of Science (Honoris Causa): "1 Decembrie 1918" University of Alba Iulia, Romania (2007), etc.

4. Research contributions

Many mathematical entities and objects are attributed to (and named after) him. These include (among other items): the Srivastava's polynomials and functions, Carlitz-Srivastava polynomials, Srivastava-Buschman polynomials, Srivastava-Singhal polynomials, Chan-Chyan-Srivastava polynomials, Srivastava-Daoust multivariable hypergeometric function, Srivastava-Panda multivariable H -function – in the field of Higher Transcendental Functions; the Srivastava-Owa, Choi-Saigo-Srivastava, Jung-Kim-Srivastava, Liu-Srivastava, Cho-Kwon-Srivastava, Dziok-Srivastava, Srivastava-

Attiya and Srivastava-Wright operators – in the field of Geometric Function Theory in Complex Analysis; the Srivastava-Gupta operator – in the field of Approximation Theory; the Srivastava, Adamchik-Srivastava and Choi-Srivastava methods – in the field of Analytic Number Theory; etc.

Some of the significant and remarkable contributions by Professor Srivastava are listed below, in the main topics of his current research interests:

(i) *Real and Complex Analysis*: A unified theory of numerous potentially useful function classes, and of various integral and convolution operators using hypergeometric functions, especially in Geometric Function Theory in Complex Analysis, and several classes of analytic and geometric inequalities in the field of Real Analysis.

(ii) *Fractional Calculus and Its Applications*: Generalizations of such classical fractional-calculus operators as the Riemann-Liouville and Weyl operators together with their fruitful applications to numerous families of differential, integral, and integro-differential equations, especially some general classes of fractional kinetic equations and also to some Volterra-type integro-differential equations which emerge from the unsaturated behavior of the free electron laser.

(iii) *Integral Equations and Transforms*: Explicit solutions of several general families of dual series and integral equations occurring in Potential Theory; Unified theory of many known generalizations of the classical Laplace transform (such as the Meijer and Varma transforms) and of other multiple integral transforms by means of the Whittaker $W_{\kappa,\mu}$ -function and the (Srivastava-Panda) multivariable H -function in their kernels.

(iv) *Higher Transcendental Functions and Their Applications*: Discovery, introduction, and systematic (and unified) investigation of a set of 205 triple Gaussian hypergeometric series, especially the triple hypergeometric functions H_A , H_B and H_C added to the 14-member set conjectured and defined in 1893 by Giuseppe Lauricella (1867-1913). Unified theory and applications of the multivariable extensions of the celebrated higher transcendental (Ψ - and H -) functions of Charles Fox (1897-1977) and Edward Maitland Wright (1906- 2005), and also of the Mittag-Leffler E -functions which are named after Gustav Mittag-Leffler (1846-1927). Mention should be made also of his applications of some of these Higher Transcendental Functions in Quantum and Fluid Mechanics, Astrophysics, Probability Distribution Theory, Queuing Theory and other related Stochastic Processes, and so on.

(v) *q -Series and q -Polynomials*: Basic theory of general q -polynomial

expansions for functions of several complex variables, extensions of celebrated q -identities of Srinivasa Ramanujan (1887-1920), and systematic introduction and study of multivariable basic (or q -) hypergeometric series.

(vi) *Analytic Number Theory*: Presentation of several computationally-friendly and rapidly converging series representations for Riemann's Zeta function, Dirichlet's L-series, introduction and application of some novel techniques for closed-form evaluations of series involving a wide variety of sequences and functions of analytic number theory, and so on. His applications of (especially) the Hurwitz-Lerch Zeta function in Geometric Function Theory in Complex Analysis and in Probability Distribution Theory and related topics of Statistical Sciences deserve to be recorded here.

5. Events and special journals' issues for this anniversary

The happy occasion of 70th Jubilee of Professor Srivastava has been officially celebrated this year by several international events, as:

the "GFTA'2010" International Symposium, Sofia, 27-31 August 2010, Institute of Mathematics and Informatics - Bulgarian Academy of Sciences:

<http://http://www.math.bas.bg/~tmsf/gfta2010/> ;

the conferences in Turkey: Bursa (Turkey) on 18-22 August 2010, and at Bolu (Turkey) on 22-27 November 2010, see

<http://homepage.uludag.edu.tr/~srivastava/>

<http://www.conference.math.sci.ibu.edu.tr/> .

Other esteemed international journals are also publishing special issues dedicated to Prof. Srivastava's anniversary, as (among others):

- *Applied Mathematics and Computation* (Elsevier), To appear, 2011
- *Bulletin of Mathematical Analysis and Applications*, Vol. 4, No 2 (2010), http://www.emis.de/journals/BMAA/vol_2_issue_4.html
- *European Journal of Pure and Applied Mathematics*, Vol. 3, No 6 (2010), <http://www.ejpam.com>

We like specially to acknowledge that some of the biography data exposed here have been loaned from the above EJPAM's issue, the article by Ismail Naci Cangül: "Professor H. M. Srivastava: Man and Mathematician", pp. 1165-1169, as well as from the Jubilee's CV and all cited websites.

It is a pleasure, on behalf of FCAA Editorial Board, to say "Happy 70th Birthday!" to Prof. Srivastava, to wish him and his wife Rekha many happy returns and to continue in the same enthusiastic way his tireless serving in favour of the mathematical community and his various scientific activities!

Virginia Kiryakova, Managing Editor of FCAA