RESEARCH ACTIVITIES
(of Prof. Ranjit Biswas)

A COMMENT to the Hon’ble Chairman, UGC :-

Respected Sir,
I observe that a lot of information is not sought in the UGC On-line Application Pages. A ‘Professor’ must be an eminent scientist and must be known to the world by name. The information-requirements, design-items, etc. of the UGC On-line Page needs a major improvement, at least for the case of “PROFESSOR”. The template-design of such a FORM needs to be reviewed by the genius like: Prof. C. N. R. Rao, Prof. Shankar Pal, Prof. Amartya Sen, Prof. V. Rajaraman, Prof. V. Ramakrishnan, etc., but not by ordinary Professors even if they be the Professors of IITs or of IISC or of giant old Universities of our country.

Anyway, I will add just one extra section here for your kind perusal and consideration, and consequently information is submitted in two sections :-

Section-1 & Section-2.

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Section-1:

LIST OF PUBLICATIONS

Prof. Ranjit Biswas has published more than 100 research papers in international journals/bulletins of USA/Europe of high/good impact factor, out of which more than 40 papers are independently published papers and the rest are published jointly with other authors (with his Ph.D. scholars). Prof. Ranjit Biswas has worked in the following different areas during his 29 years teaching experience in Indian/Abroad Universities:

- Fuzzy Logic and Applications in Computer Science
- Data Structures
- Rough Set Theory and Applications
- Bag Theory and Bag-Database
- Soft Sets & Systems
- Optimization Techniques & Operation Research
- Database Management Systems
- Decision Sciences
- Intelligent Systems
- Computer Architecture
- Discrete Structures
- Pattern Recognition
- Algorithms
- Soft Statistical Measures

Cumulative “Impact Factor” earned by Prof. Ranjit Biswas by his publications in various journals will be approximately = 80.00

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The publications of Prof. R. Biswas are listed below journal wise (with ‘IMPACT FACTOR’ as on the year 2010/2011 collected from internet sources).

Published in “FUZZY SETS AND SYSTEMS : An International Journal” (Germany)

IMPACT FACTOR  =  2.551


(3) Biswas, R., A report on some works on fuzzy sets, Fuzzy Sets and Systems. Bull. Sec. 36 (1990) [this is not a research paper but a report only]


(7) Biswas, R., m-partition of groups, Revised Version communicated to Fuzzy Sets and Systems.


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Published/accepted in “INFORMATION SCIENCES : An International Journal” (USA)

IMPACT FACTOR = 1.214


(contd. to the next page)
C. B. Akki and Ranjit Biswas, Intuitionistic Fuzzy Routing, accepted for publication in “INFORMATION : An International Journal”.


(contd. to the next page)
Published/accepted in “FOUNDATIONS OF COMPUTER & DECISION SCIENCES” (Poland)

IMPACT FACTOR  =  0.784


Ghosh, S., Alam, S.S., Biswas, R., Reduction of Decision Tables Using Rough Approach, accepted for publication in “Foundation of Computing & Decision Sciences”

Published/accepted in “COMPUTER AND ARTIFICIAL INTELLIGENCE : An International Journal” (Czech)

Biswa R., Modified fuzzy sets, Revised version communicated to Computer. & Artificial Intelligence.


Published/accepted in “THE JOURNAL OF FUZZY MATHEMATICS” (USA)


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**Published/accepted in “BULL. POL. ACAD. SC.” (Poland)**


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Published/accepted in “BULL. POUR. LES. SOUS. ENS FLOUS. APPL” (This is not a journal)


Biswas, R., Rough Sets are Fuzzy sets, BUSEFAL. (in Press)


Published/accepted in “NIFS: An International Journal” (Bulgaria).


Biswas, R., On fuzzy sets and Intuitionistic fuzzy sets, NIFS 3(1997)3-11


(contd. to the next page)
Published/accepted in “International Journal of Intelligent System” (USA)

IMPACT FACTOR = 1.921


Published/accepted in “An International Journal of Computer and Mathematics with Applications”(Czech)

IMPACT FACTOR = 0.226


Published/accepted in “International Journal of Computational Cognition” (USA)


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**Published/accepted in OTHER Journals etc.**

( in Other Journals, in Proceedings of IEEE/ International Conferences, International Symposiums, Workshops, Books etc.): -


Parul Agarwal, M. Afshar Alam, Ranjit Biswas, Analysing the agglomerative hierarchical Clustering Algorithm for Categorical Attributes, International Journal of Innovation, Management and Technology (Singapore), Page 186-190

Dutta, Ashit., Ansari, A.Q., and R. Biswas, Method Of Intelligent Search To Answer Queries In Relational Databases, IEEE Conference IEEE-IS-06 (UK), IEEE Conference IEEE-IS-06 (UK), September’2006

(contd. to the next page)


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Dutta, Ashit., Ansari, A.Q., and Biswas, R., A Method Of Intelligent Search To Answer Queries In Relational Databases, accepted in the IEEE Conference IEEE-IS-06 (UK) to be held in UK in September’2006. (http://ieeec06.wmin.ac.uk)


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Smita Rajpal, M.N. Doja, Ranjit Biswas, A Method of Imprecise Query Solving, IJCSNS (Korea), Vol. 8 No. 6 pp. 133-139

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My articles are included/cited in chapters/references in the following four books written/edited by authors of USA, Bulgaria, India and Taiwan:

(4) “Special Issue on Utilization of Fuzzy Technology in Medicine”-- by Kevin Yeh, Taiwan Press (2001).

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Section-2:

Member of ‘Editorial Board’ of foreign journals of Computer Science.

Prof. Ranjit Biswas am/was working as a permanent Member in the “Editorial Board” of the following fifteen (15) international foreign journals in the area of Computer Science & IT, published from USA/Europe/Asia. :-

(1) "INFORMATION - AN INTERNATIONAL JOURNAL" (http://www.information-iii.org)

(2) “INFOCOMP JOURNAL OF COMPUTER SCIENCE”

(3) “EUROPEAN JOURNAL OF SCIENTIFIC RESEARCH” (www.eurojournals.com)

(4) “IAENG INTERNATIONAL JOURNAL OF COMPUTER SCIENCE”


(6) “JOURNAL OF COMPUTATIONAL INTELLIGENCE IN BIOINFORMATICS”

(7) “INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE” (http://sofia.ocean.cs.siu.edu/index.php/ijcitp/about/editorialTeam)


(9) “EURO-ASIAN JOURNAL OF APPLIED SCIENCE”

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Produced nine (9) Ph.D.s. in the area of Computer-Science in IIT, Indian Institute of Technology, Kharagpur and in other Indian/foreign Universities (degrees awarded). Three more Ph.D. thesis are in submitted status (thesis to be defended soon).

(1) **Dr. Supriya Kumar De**, Professor in Computer Science and Asstt. Dean, XLRI, Jamshedpur, C. H. Area (East), Jamshedpur – 831001, INDIA. (at present working as a Visiting Faculty in UK).

(2) **Dr. S. K. Roy Bhowmik**, Director, India Meteorological Department, Mausam Bhavan, Lodi Road, New Delhi-110 003, INDIA.

(3) **Dr. Kankana Chakraborty**, Assistant Professor, School of Computer Sciences, The University of New England, Armidale 2351, NSW, AUSTRALIA.

(4) **Dr. Pabitra Majhi**, Sr. Lecturer, Bardwan University, WB, INDIA.

(5) **Dr. Afshar Alam**, Professor & HOD, Department of Computer Engineering, Hamdard University, Hamdard Nagar, New Delhi-62. INDIA.
(6) **Dr. Ashit Kunar Dutta**, Lecturer, Department of CS & IT, Hashemite Kingdom University, Zarka, JORDAN.

(7) **Dr. Bilal**, Ph.D.(CS) from Amman Arab University, Jordan.

(8) **Dr. Bashir Alam**, Asstt. Professor, Department of Computer Engineering, Jamia Millia Islamia, New Delhi.

(9) **Dr. Smita Rajpal**, Associate Professor, Department of Computer Engineering, ITM University, Gurgaon.

Cumulative “Impact Factor” earned by Prof. Ranjit Biswas by his publications in various journals will be approximately = **80.00**