



ISOBC NEWSLETTER

Volume 6, Number 3



ISOBC Newsletter

December 2011

Volume 6, Number 3

Iran Society of Biophysical Chemistry



News

First International Conference on Biophysical Chemistry

It is our honor to announce the first International Conference on Biophysical Chemistry (ICBC) will be held on June 13 - 15, 2012 in Ardabil, Iran.

In ICBC will contribute the transfer of scientific information and research results to practical applications, particularly in the subject of diagnostics and treatment of deleterious human diseases via biophysical approach. We have organized a 2-day core program together with workshops which will bring you the latest updates and an excellent occasion for scientific exchange. Conference on Biophysical Chemistry is the annual conference holding in Iran since 1998. Iran Society of Biophysical Chemistry (ISOBC) is going to coordinate first International Conference on Biophysical Chemistry (ICBC) to provide platform for scientific exchange between Iranian and international experts. International distinguished experts will be invited to the conference to share their experience and research findings.

ICBC will be involved in the field of basic and applied research in the area of molecular biology, biochemistry, biophysics, bioinformatics, x-ray crystallography, NMR, etc.

ICBC will be held in June 13-15, 2012. The conference organizer will be Ardabil University of Medical Sciences (ArUMS) by the support of Iran Society of Biophysical Chemistry (ISOBC). IUBMB and FAOMB are the international sponsors for this conference.

URL: icbc.arums.ac.ir

Thomas E Creighton

Thomas E. Creighton has worked at Caltech, Stanford and Yale Universities, MRC Laboratory of Molecular Biology at Cambridge, England and the European Molecular Biology Laboratory at Heidelberg, Germany.

He is the author of several books including *Proteins: Structure and Molecular Properties*, *Protein Function: A Practical approach*, *Protein Structure: A Practical Approach*, four-volume *Encyclopedia of Molecular Biology*, five-volume *Encyclopedia of Molecular Medicine*, *The Physical and Chemical Basis of Molecular Biology: Fundamentals the Biophysical Chemistry of Nucleic acids and Proteins*, *Spectroscopy in Molecular Biology*, *Visualizing Biological Structures and Molecules and Interactions Between Biological Molecules*.

He has written 137 articles printed in different journals, nine in *Nature* and three in *Science*. Most of his articles are printed in *Biochemistry* and *JMB* journals which include articles about enzyme structure, enzyme-substrate interactions, mechanism of catalytic activity, the folding, refolding, intermediates and folding pathways of the enzyme and its inhibitor, protein folding, folding kinetics, protein denaturation, energy of protein folding and the mechanism of protein folding and unfolding.

He mostly speeches about protein folding, unfolding, kinetics of folding/unfolding, molecular chaperons, prediction of protein structure.

In his books mentioned extensively about protein specific folded three dimensional tertiary structure and correspondence biologically activity; Proteins do not fold by random processes, but pass through a limited number of intermediate conformational steps; The intermediates are responsible for the rapidity of folding.



Iranian well known scientists passed away

- Renowned Iranian biochemist and faculty member of Tehran University of Medical Sciences, Professor **B. Farzami**, passed away in 2011. Born in Tehran in 1936, Professor Farzami got his diploma from Alborz High School of Tehran and his BS in Pharmaceutical Sciences from Faculty of Pharmacy at University of Tehran in 1956. Obtained his Ph.D. in chemistry / biochemistry from Rutgers College of New Jersey University. His research interest was on enzymology. He won prizes from the 7th National Khwarazmi Festival for his worldwide contributions in research. He has authored of three books on Principles of Chemistry and Biochemistry, Enzymes, Physical Biochemistry. He awarded the Avcina and Jaber Ibn Hayyan Scientific prizes as well as two international prizes from India's scientific festivals.

- Veteran Iranian physical chemist and biophysicist **Professor J. Naghizadeh** has died in 2011. He was previous faculty member of Institute of Biochemistry and Biophysics (IBB), University of Tehran.



New Conferences:

- **9th International Conference on Protein Stabilization – ProStab2012**



2 to 4 May, 2012, Lisbon, Portugal

The website: <http://prostab2012.ist.utl.pt/>

- **The 5th Anniversary of Protein and Peptide Conference (PepCon-2012)
with a theme of “Powerful Proteins and Peptides”**



March 23-25, 2012, Beijing, China

The website: <http://www.bitlifesciences.com/pepcon2012/>

- **Interfacing Chemical Biology and Drug Discovery**

48th International Conference on Medicinal Chemistry

(RICT 2012)Poitiers, France - July 4-6, 2012

This prestigious scientific meeting covers the major aspects of medicinal chemistry with particular emphasis on the importance of chemical biology in modern drug discovery.

Volume 6, Number 3

➤ 6th EFMC Short Course on Medicinal Chemistry

Improving Compound Quality: Physical Chemistry and DMPK Properties in Drug Discovery.
Principles, Assays and Predictions

Castle "Oud Poelgeest", Oegstgeest, near Leiden, The Netherlands
October 21-24, 2012

This intensive course is intended for scientists working in the field, and the presentations will be given by senior scientists both from industry and academia.

➤ 19th Euro QSAR Knowledge Enabling Ligand Design

Vienna, Austria August 26-30, 2012

The Euro QSAR Symposia have been taking place since 1973 and constitute major scientific events in the field of computational drug design, with further applications in agricultural and environmental sciences.



The OIC Ministerial Standing Committee on Scientific and Technological Cooperation (**COMSTECH**), invites applications from suitable candidates from OIC member states to participate in the following workshops/training courses. Application forms and further details of these workshops are available on our website: www.comstech.org.



ISOBC NEWSLETTER

Volume 6, Number 3

➤ The 12 th Lahnwitzseminar on Calorimetry



“Interplay between Nucleation, Crystallization, and the Glass Transition”

2012 in Rostock June 10, evening until June 15, morning

http://www.polymerphysik.uni-rostock.de/laehnwitzseminar/laehnwitz_2012/laehnwitz_con_2012.php

➤ Colloids and Nanomedicine 2012

15-17 July 2012 Amesterdam, The Netherlands

The website: www.colloidsandnanomedicine.com

➤ The 9th International Conference on Carbonic Anhydrase (CA)



**THE 9th INTERNATIONAL CONFERENCE
ON CARBONIC ANHYDRASE (CA)**
April 11 - 15, 2012
IC Hotels Santai Belek - Antalya - TURKEY

Antalya, Turkey, between April 11-15, 2012

The website: <http://www.carbonicanhydrases2012.org/>



Volume 6, Number 3

➤ **Biosensors Congress**



The website: <http://www.biosensors-congress.elsevier.com/>

➤ **11th International Hydrocolloids Conference**



The website: <http://www.international-hydrocolloids-conference.com/index.html>

➤ **The 2nd International Symposium on
Integrating Research, Education, and Problem Solving: IREPS 2012**



**Jointly with The 3rd International Conference on
Education, Training and Informatics: ICETI 2012** in the context of
The 3rd International Conference on Society and Information Technologies: ICSIT 2012

March 25th - 28th, 2012 – Orlando, Florida, USA

The website: <http://www.2012iisconferences.org/ireps>

Volume 6, Number 3

- **2012 International Conference on Biomedical Engineering and Biotechnology (iCBEB)**



BEB

IEEE International Conference on Biomedical Engineering and Biotechnology

iCBEB 2012

28th to 30th May 2012, Macau, China

The website: <http://www.icbeb.org/>

- **International conference and exhibition on Biosensors & Bioelectronics**



International Conference and Exhibition on
Biosensors & Bioelectronics

4-16 May 2012 at Las Vegas, USA

The website: <http://omicsonline.org/biosensors2012/>

- **The 5th International conference on Advanced Technologies & Treatments for Diabetes**

The 5th International Conference on
Advanced Technologies & Treatments for Diabetes

Februray 8-11,2011Barcelona /Spain

The website: <http://www2.kenes.com/attd/pages/home.aspx>



ISOBBC NEWSLETTER

2011

Volume 6, Number 3

New Book & New Journals

Biopolymers in Drug Delivery: Recent Advances and Challenges

eISBN: 978-1-60805-078-9, 2009

Editor: Michael U. Adikwu

University of Nigeria, Nigeria

[Click Here](#) to view website of this Ebook

Biotechnology and Bioengineering

Copyright © 2011 Wiley Periodicals, Inc., A Wiley Company

Edited By: Douglas S. Clark

Impact Factor: 3.7

ISI Journal Citation Reports © Ranking: 2010: 34/160 (Biotechnology & Applied Microbiology)

Online ISSN: 1097-0290

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1097-0290;jsessionid=F769D282D89F0493DDEAD74253D4B67B.d02t01](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1097-0290;jsessionid=F769D282D89F0493DDEAD74253D4B67B.d02t01)

Biosensors and Bioelectronics

The principal international journal devoted to research, design development and application of biosensors and bioelectronics

Biosensors & Bioelectronics is the principal international journal devoted to research, design, development and application of biosensors and bioelectronics.

[View full aims and scope](#)

Editor-in-Chief: [Professor A.P.F. Turner](#)

[View full editorial board](#)

Interview



Dr HongJun is faculty member of College of Life Science, Henan University, China. He is a member of ISOBC.

❖ Would you please explain your biography sketch and about your CV?

I was born in Kaifeng City, Henan Province, China, on Jan 9, 1968. I got my B.Sc. degree in Semiconductor chemistry in 1991 and master degree in Semiconductor materials in 1994 from Jinlin University of China and PhD degree in Biophysics in 2006 from Institute of Biochemistry and Biophysics (IBB), University of Tehran, Iran. Now, I am a Special Term Professor of Biophysics and faulty member of College of Life Science, Henan University, China. I am also the member of Biophysical Society of China, member of ISOBC. I have published more than 40 papers in International Journals or Chinese Journals on structure and function of proteins, bioelectrochemistry, sensors and biosensors.

❖ Please tell us about your relationship with IBB:

Our College and I have good cooperative relationship with IBB and Labs of Prof. Moosavi-Movahedi and Prof. Ghourchian.

My PhD and postdoctoral program were finished successfully under the supervision of Prof. Moosavi-Movahedi and Prof. Ghourchian at IBB, University of Tehran in 2006.

Prof. Moosavi-Movahedi also visited and lectured in our college in 2008.

A memorandum was signed between Prof. Saboury, Director of IBB and Prof Shang, Director of college of Life Science, on Dec 29, 2008.

I visited IBB based the MOU and joint research projects with Prof. Moosavi-Movahedi and Prof. Ghourchian in 2009.

Now I have several joint projects with Prof. Moosavi-Movahedi and Prof. Ghourchian in “Design and research on high catalytic efficiency: self-assembled



nano-artificial peroxidase”, “A survey of herbal anti-glycation effects: protein study” and nano-bioelectrochemistry, and we have published several joint papers in international journals.

❖ How did you acquaint yourself with IBB? What was your desire (motivation) to join as a visiting scholar at IBB in year 2011?

IBB is a famous and important institute in biological scientific research in the world. I got my PhD and finished my postdoctoral program at IBB and have a good relationship with professors and members of IBB, I am also familiar to the research conditions and methodologies in IBB, these are very important to research work.

Communication and cooperation are very important for scientific work, our college and IBB have signed a MOU and I have joint research projects with Prof. Moosavi-Movahedi and Prof. Ghourchian, and so I joined as a visiting scholar at IBB in year 2011.

❖ Are you satisfied with your research during your stay in Iran, what did you find, the new facts and results?

I am satisfied with my research work in Iran; I have found two kinds of high catalytic effective nano-self-assembled artificial enzymes and do some experiments to characterize them with TEM, DLS, CD, UV, ST, ITC techniques. I also wrote several manuscripts in artificial enzyme and nano-bioelectrochemistry and submitted them to international journals during my stay in Iran. I do appreciate Prof. Moosavi-Movahedi and Prof. Ghourchian for their kindly helps and supports in my scientific research and discussion, and manuscript preparation.

❖ Are you adapted with Iranian environment and society?

Of course, I had lived, worked and studied in Iran over 10 years, and gained my PhD in Iran. I am adapted with Iranian environment and society.

ISOBC NEWSLETTER

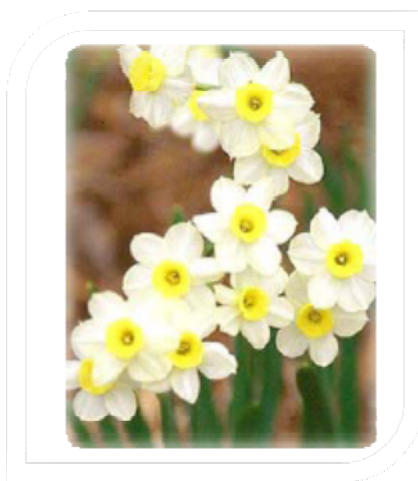
Volume 6, Number 3

❖ **What is your view about your membership in Iran Society of Biophysical Chemistry (ISOBC)?**

ISOBC is one of most active scientific society in Iran; the members of ISOBC are also the top biophysical scientists. I am very satisfied and pride with my membership in ISOBC.

❖ **What are your suggestions for promotion of relation for foreign researchers in future?**

1. Promote cooperative or joint research project.
2. Promote the exchange of research members.
3. Promote and take advantage of experimental instruments and conditions.



With very best wishes for your happiness in the New Year

news@isobc.org

Editor: Dr. S. Hosseinkhani
Executive Manager: N. Poursasan
E-mails: poursasan_n@ibb.ut.ac.ir
IT Manager: A. Mohsenimehr