

INFORMATION ON KHWARIZMI INTERNATIONAL AWARD

Foreword

Nurturing the spirit of research and innovation in the various fields of science, technology, culture and religion through establishing research center and encouraging innovators and researchers is clearly taken into consideration in the Islamic Republic of Iran's Constitution. Thus, one of the major duties of Iranian Research Organization for Science and Technology (IROST) is to recognize and grow the talents in scientific and industrial areas and to support the innovators, inventors and researchers. To accomplish this duty IROST decided to found the Khwarizmi International Award in order to acknowledge and appreciate the priceless achievements of distinguished scientists and researchers both in Iran and abroad.

About Khwarizmi

Abu Abd-Allah ibn Musa al-Khwarizmi, one of the leading Muslim luminaries of mathematics and astronomy, was born about A.D. 800. He wrote his Al-jabr Wa'l mughabala from which the modern word "Algebra" comes. Al-Khwarizmi's Algebra is regarded as the foundation and cornerstone of the science. In addition to this treatise, al-Khwarizmi wrote works on astronomy, on the Jewish calendar, on calculating true positions of sun, moon, and planets, and on the Hindu-Arabic numeration systems. Al-Khwarizmi's most recognized work, and one that is named after him, is the mathematical concept "Algorithm" (the Latin form of Al-Khwarizmi). He is also well-known for his major work on geography which gives latitudes and longitudes for 2402 localities as a basis for a world map. As we see, Khwarizmi was well-involved in a long range of scientific disciplines good enough to be considered as the father of some branches of science and good enough name for such an award, the Khwarizmi International Award which calls for all the scientists from all the fields of science.

History

The first Khwarizmi International Award, held in 1987, accepted only Iranian participants and after four years in the fifth KIA session, the foreign section was added in order to introduce the successful foreign researchers from various countries. In 1997, the Iranian researchers and scientists residing abroad were invited to take part in this prestigious scientific competition. Since then the Khwarizmi International Award continued with three sections in three different categories: Iranian researchers, non-resident Iranian researchers, and foreign researchers.

Call for KIA

The Khwarizmi International Award's Secretariat annually makes a call for national and foreign projects through mass media. Furthermore, the KIA application forms and related posters are distributed among the universities, the research and industrial centres of both private and governmental section and also among the embassies of Iran throughout the world. Following the call distribution, all the candidates both from Iran and other countries call fill out the applications and send

them to the KIA Secretariat or they can be introduced by their relevant universities and scientific and research organizations. The application as well as other necessary information can be picked up from IROST Website: www.irost.org and then the filled-out forms and requested documents can be sent to the KIA Secretariat through mail and e-mail.

Fields of Research

The researchers, innovators and inventors can apply for the award by submitting their projects and in one of the following fields : Human sciences, Basic sciences, Medical sciences (just at the international level), Agricultural sciences, Biotechnology, Environment, and Arts. Collecting the projects, the Secretariat will classify them into the following categories: 1. Fundamental Research 2. Applied Research 3. Developmental Research.

KIA Board

The KIA Board includes two committees:

1. Executive Committee comprises the following members :

- * The President of IROST
- * The IROST Deputies Council
- * The Secretary of KIA
- * The Executive Director of KIA
- * The Executive Expert Groups

2. Scientific Committee is comprised of two groups as follows :

Specialized Groups

Depending on the specialty course and activity fields of KIA candidates, the specialized groups are made up. These groups are composed of the distinguished scientific-board members of major universities and research centres specialized in the respective fields.

Jury

The jury, as the most important body for final decision making is responsible for technical and scientific investigation of the projects and ranking them. The members of the jury are as follows :

- * The President of IROST
- * The Secretary of KIA
- * The heads of specialized groups
- * At least 15 high-rank experts in different fields of science

Evaluation Process

After receiving the projects and preliminary classification, the KIA Secretariat sends them to the specialized groups for rigorous scrutiny. Following the evaluation process by the specialized groups, the best projects are selected by the jury. The winners are informed through mail or e-mail and invited to take part in the prestigious ceremony of KIA in Iran, Tehran. The list of winners, their photos, and summary of their projects are published in the annual bulleting of KIA.

Evaluation Criteria

Some of the criteria for selecting the winners in the three major categories mentioned above are as follows :

Innovation in research subject or research method or both in Iran and in the World.

- The reliability of the journals in which the results of research are published
- The application of the research results in technology promotion
- The economical and social values of the research project such as promotion of employment, production, and productivity.
- The significance of the project in regard to scientific, educational, and human resources improvement
- The accuracy of reports and completeness of the required documents
- The appropriate budget and time-table of the project process

Awards

The final winners are granted different awards (depending on their ranks) including cash award, cup, certificate and medal in a highly prestigious awarding ceremony honored by H.E the President of Islamic Republic of Iran.

Moreover, some of the winners may be recognized also qualified for receiving similar awards from the international sponsors of KIA.



Khwarizmi International Award

In the Name of God



IROST

Ministry of Science, Research and Technology
Iranian Research Organization for Science and Technology (IROST)
Khwarizmi International Award (KIA)

Application Form

affix
a recent
color
photograph

I- Applicant details

First Name:

Field of Study:

Last Name:

Degree:

Present Position:

Major:

Date of Birth:

Place of Birth:

Sex F M

Nationality:

Office Address:

City: *Country:* *Tel*:*(,)

Fax:* (,) *E-mail*:*

Home Address:

City: *Country:* *Tel*:*(,)

Fax:* (,) *E-mail*:*

* Contact information should be exact and complete for prompt notification.

Candidatures submitted **only typed in English**, to be considered complete, must comprise all the seven sections and sub-sections listed below, without omission:

I- Applicant details

II- Academic background, education

- a- College / university
- b- Location
- c- Major field
- d- Degree
- e- Year of graduation

III- Honors and awards (please annex the copy of certificates)

IV- Employment history

- a- Position
- b- Organization
- c- Duties
- d- Dates

V- List of publications

VI - Projects details including: (please annex the full-text copy of your project)

- a- Title
- b- Field
- c- Category (Invention/ Innovation / Applied Research / Fundamental Research)
- d- Description
- e- Details of the stage of development (prototype / pilot plant/ commercialized / industrialized)
- f- Performance (individual / team)
- g- Copy of all the publications related to the project
- h- Abstract (maximum 200 words)

VII- Signature and Date

In case you participate in the Award with more than one project, please fill in an application form for each one and return them together with supporting information (all the seven sections and respective documents) to:

Khwarizmi International Award (KIA)

Secretariat

No 71, Shahid Mosavi St., Enghelab Ave.,

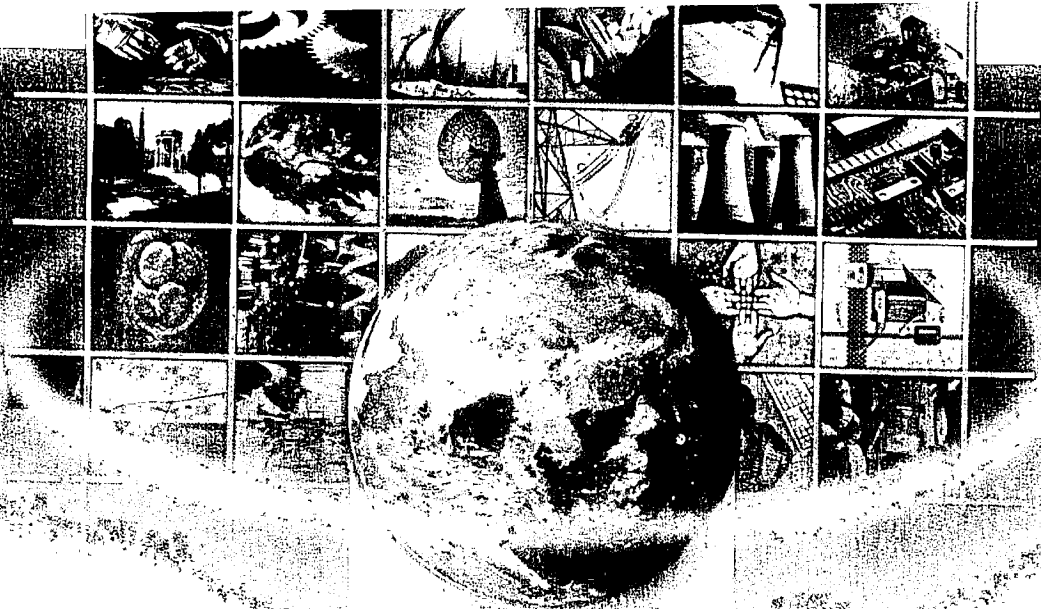
P.O.BOX 15815-3538,

Tehran, Iran

E-mail: khwarizmi@irost.org

Web Site: khwarizmi.irost.ir

Call for



In the name of God
Ministry of
Science, Research and Technology
Iranian Research Organization
for Science and Technology (IROST)
Khwarizmi International Award (KIA)



The 19th Khwarizmi International Award

The Iranian Research Organization for Science and Technology (IROST) invites you to participate in the annual Khwarizmi International Award (KIA).

The award seeks to recognize the efforts by researchers, innovators and inventors, both in Iran and all over the world and to appreciate their invaluable achievements and contributions to various fields of science and technology.

The eligible fields are as follows: Engineering, Basic Sciences, Human Sciences, Agriculture and Arts. The submitted works should be in one of the following categories: Inventions, Innovations, Applied Research and Fundamental Research. Original projects and research works along with complete requested information must arrive at the KIA Secretariat no later than the end of October, 2005.

For more information please visit the KIA Web Site: kharizmi.irost.ir

Mailing Address:

Khwarizmi International Award (KIA) - Secretariat
No. 71, Shahid Mosavi St., Enghelab Ave.,
P.O.Box: 15815-3538 Tehran, Iran
E-mail: kharizmi@irost.org; Tel/Fax: (+9821) 8838341

Key Dates:

31st October, 2005:

10th January, 2006:

1st Week of February, 2006:

Deadline For Submission

Announcement of winners

Award ceremony

International Sponsors:

- World Intellectual Property Organization (WIPO)
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- International Federation of Inventors' Associations (IFIA)
- Organization of Islamic Conference Standing Committee on Scientific and Technological Cooperation (COMSTECH)
- Commission on Science and Technology for Sustainable Development in the South (COMSATS)
- Third World Academy of Sciences (TWAS)
- Islamic Educational, Scientific and Cultural Organization (ISESCO)
- United Nations Development Program (UNDP)

Khwarizmi International Award (KIA) - Secretariat