

# The 9<sup>th</sup> International Conference of Textile Industries Research Division



## Innovative Technologies in Textile Industry Sustainability, Water and Energy Challenges

Under the auspices of

**His Excellency**

**Prof. Khaled Abdel Ghaffar**

*Minister of Higher Education and Scientific Research*

**Prof. Mahmoud Sakr**

**Prof. Mohamed Hashem**

*President of the Academy of Scientific Research & Technology*

*President of the National Research Centre*

**Conference Chairman**

**Prof. Amira El Shafei**

*Head of Textile Industries Research Division, NRC*

**National Research Centre, Cairo, Egypt**

**2<sup>nd</sup> - 4<sup>th</sup> March 2020**

**www.trdegpt.org**

## Correspondence

### For Abstracts & Full Papers

**Prof. Hosam El-Sayed**

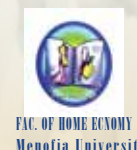
Textile Industries Research Division,  
National Research Centre,  
Dokki, Cairo, Egypt  
Mob : +20 100 544 36 51  
Fax : +202- 333 70 931  
E-mail: conf@trdegpt.org  
web-site: www.trdegpt.org

### For Exhibition

**Prof. Samar Samy & Prof. Hany Helmy**

Textile Industries Research Division  
National Research Centre,  
Dokki, Cairo, Egypt  
Mob: 0100 196 70 44 - 01222 74 602  
Fax : +202- 333 70 931  
E-mail : conf@trdegpt.org  
Web-site: www.trdegpt.org

## Our Partners



## Sponsored by



## Conference Committee

### Co-Chairperson

**Prof. Yehia Abdel Gawwad**

*Deputy Head of the Textile Industries Research Division, NRC.*

### Secretary General & Conference Coordinator:

**Prof. Hosam El-Sayed**

*Head of the Proteinic and Man-made Fibres Department.*

### Head of Organizing Committee

**Prof. Ashraf Mahmoud Hassan**

*Head of the Pretreatment and Finishing for Cellulosic Fibres.*

### Scientific Committee

#### Head of Scientific Committee:

**Prof. Ali Hebeish**

*(D. Sc. and Nile Prize Laureate)*

#### Committee Members from the TIRD

**Prof. Saleh H. Abdel-Fattah**

**Prof. Mohamed El-Rafie**

**Prof. Madiha El-Kashouti**

**Prof. Ahmed Waly**

**Prof. Ahmed El-Aref**

**Prof. Nabil A. Ibrahim**

**Prof. Karima Haggag**

**Prof. Aisha Hegazy**

**Prof. Badrya Youssef**

**Prof. Magda Kamel**

**Prof. Azza El-Halwagy**

**Prof. Ibrahim Abdel-Thalouth**

**Prof. Sami El-Sebeay Shalaby**

**Prof. Nabil Abo-Zeid**

**Prof. Elham El-Kharadly**

**Prof. Ekhlas El-Alfy**

**Prof. Samiha Gawish**

**Prof. Fekry Abdel-Mohdy**

**Prof. Amira Zaher**

**Prof. Mohamed A. Saad**

**Prof. Rakia El-Refaie**

**Prof. Sohair Farag**

#### Committee Members from the NRC

**Prof. Fatma El-Gohary**

**Prof. Mohamed R. Mahrnan**

**Prof. Mahmoud Abdel Ghaffar**

**Prof. Salwa Abdel Messeh**

**Prof. AmalSaad El-Din**

**Prof. Sohair Abo Ela**

**Prof. Hosney El-Sayed**

**Prof. Altaf F. Basta**

**Prof. Hala El-Kady**

**Prof. Mahmoud Bahgat**

#### Committee Members from Egyptian Universities, Research Institutions, and Industrial & Service Sectors

**Prof. Abdel Gawwad Rabie**

**Prof. Adel El-Geheiny**

**Prof. Wafaa A. El-Sayed**

**Prof. Mohamed Sabry**

**Prof. Soheir Othman**

**Prof. Sayed A. El-Sayed**

**Prof. Nagwa Shoukry**

**Prof. Mahmoud Morsey**

**Prof. Sawsan A. Rizk**

**Prof. Afaf Khamis El-Oufy**

**Prof. Naglaa El-Wakil**

**Dr. Jackline Abdel-Thalouth**

**Prof. Mahamoud El-Shahed**

**Prof. Adel El-Hadidy**

**Prof. Yasser El-Hamaky**

**Prof. Ahmed Salman**

**Prof. Mohamed Kamal El-Din**

**Prof. Tamer Farouk**

**Prof. Kefaya A. Soleiman**

**Prof. Mohamed A. Negm**

**Prof. Magda Mady**

**Prof. Ahmed H. Khattab**

**Dr. Bahaa Raafat**

**Dr. Sherif Hamdy**

#### International Scientific Committee

**Prof. R. Kozlowski (Poland)**

**Prof. J. Militky (Czech Rep.)**

**Prof. A. Seyam (USA)**

**Prof. X. Wang (Australia)**

**Prof. T. Kang (South Korea)**

**Prof. B. Kandola (UK)**

**Prof. I. Choudhary (Pakistan)**

**Prof. J. Wang (China)**

**Dr. C. Vineis (Italy)**

**Dr. F. Secundo (Italy)**



The Textile Industries Research Division (TIRD) of the National Research Centre (NRC) Cairo, Egypt, is organizing the 9<sup>th</sup> round of the International Conference of the Textile Research Division on 2<sup>nd</sup> – 4<sup>th</sup> March, 2020 in the NRC premises.

**Aim of the Conference:**

There is no doubt that textile researches offer great potential for sustainable development. No country can progress or even continue to exist without production, and no production assumes novelty in absence of effective Industry-Innovation and sustainable system. Most of developing countries committed themselves to rely on science and technology to assure sustainable development. The 9<sup>th</sup> round of the International conference of the Textile Research Division is an initiative effort aiming at merging scientific communities of developed and developing countries to exchange knowledge and experience. The conference will discuss in details, the ongoing textile-based efforts to solve the most common problems facing this important industry, namely sustainability, water, and energy challenges. The conference is multidisciplinary and global with participation of leading international scientists, R&D institutions, top level industrial management, industrialists as well as business representatives. The conference provides a unique forum to promote the creativity in science and technology of textile materials. This event will focus also on discussing the latest trends, technological advancements and innovations in textile processing and their impact on business opportunities taking into consideration the social, economical and ecological requirements.

**The main scientific axes of the conference include:**

- Innovative technologies and products.
- Energy and water-saving technologies.
- Technologies for sustainable developments.
- Fibre science and technology.
- Product quality.
- Technical textiles (smart, protective, and medical textiles).
- Textile and colorant-based sensors.
- Advanced polymers for textile applications.
- Fibre-reinforced materials and composites.
- Eco-friendly products and processes.
- Textile Coloration.
- Textile finishing and coating
- Apparel and fashion design.
- Comfort in textiles and clothing
- Multidisciplinary Arabic session.

**CALL FOR ABSTRACTS & FULL PAPERS**  
**Abstract**

Contributors to the conference are kindly requested to submit the abstracts which should include:

- **Title:** Informative
- **Authors:** Underline contact person (speaker)
- **Affiliation:** Full address
- **Key words:** Not included in the title
- **Summary:** Maximum 20 lines (Time New Roman, 12)
- **Presentation:** Oral, poster, keynote lecture

To submit your abstract, please use the following link:  
<http://www.official.trdegypt.org/abstract-submission>

If you have any technical problem, please send an e-mail to:  
[conf@trdegypt.org](mailto:conf@trdegypt.org). Deadline for receiving abstract is **December, 1<sup>st</sup> 2019**.

**Full Papers**

The full paper should be sent to the conference secretariat (not later than **January, 15<sup>th</sup> 2020** according to the format declared in our website. To submit your full text, please use the following link:

<http://www.official.trdegypt.org/full-text-submission> If you have any technical problem, please send an e-mail to:  
[conf@trdegypt.org](mailto:conf@trdegypt.org).

All accepted papers will be published in *the Egyptian Journal of Chemistry (scopus-indexed)* against extra fees 500 EGP

**Poster Session**

Poster Session will be on display throughout the conference days.

**Exhibition & Adverstement**

An exhibition will be held in parallel with the conference. Exhibition areas starting from 4 m<sup>2</sup> are available against 500EGP/m<sup>2</sup>.

**REGISTRATION FEES**

	Early Registration Fees (until 15.01.2020)		Registration Fees (After 15.01.2020)	
	Egyptian	Non-Egyptian	Egyptian	Non-Egyptian
<b>Author</b>	750EGP	600 US \$	850 EGP	700 US\$
<b>Attendant</b>	650EGP	550 US \$	750EGP	650 US \$
<b>Student</b>	350 EGP	300 US \$	400 EGP	350 US \$
<b>1 day Attendant</b>	350 EGP	250US \$	400 EGP	300 US \$

\* add 250 EGP for gala dinner      \*\* add 50 US \$ for gala dinner

If registration is cancelled before **31.01.2020**, 75 % of the fee will be refunded. After this date, no fee will be refunded.



**Fees Cover:**

- Participation in all sessions of the conference.
- The conference bag containing the abstracts book as well as a CD of the full papers.
- Lunch and coffee breaks.
- One touristic visit and the gala dinner party (for international delegates).
- Airport transfer (to/from) the hotel, as well as all local transportation between the hotel and the NRC campus during the conference (for international delegates).

**Payment**

**Please choose your way of payment from the following:**

- **Cash:** Conference Unit (CU), National Research Centre (NRC).
- **Cheque or bank transfer to:**  
National Research Centre, CU-TRD,  
Central Bank of Egypt, Cairo,  
**Account No.: 9/450/81761/1**  
**Swift Code 8033386819 for NRC, Bank of New York BIC:**  
**IRVTUS3NBXX** (please fax bank transfer to fax +202-333 22 424)

**Deadlines:**

- Submission of Abstracts **1<sup>st</sup> December, 2019**
- Dissemination of acceptance letters and invitations: **15<sup>th</sup> December, 2019**
- Full manuscripts : **15<sup>th</sup> January, 2020**

**Entertainment Time:**

The organizing committee has the pleasure to organize a trip to the fascinating town in the Upper Egypt “Luxor” directly after the conference for three days (two nights) from Wednesday 4<sup>th</sup> of March to Friday, the 6<sup>th</sup> of March 2020. The price for this unforgettable trip is 500 USD per person.

**This fee covers:**

- Two nights in Jolie Ville Hotel in Luxor (\*\*\*\*\*).
- All meals are included.
- Transportation by between Cairo and Luxor by first class train.
- All sightseeing and transportation in Luxor.
- The deadline to book for this trip is the **15<sup>th</sup> January 2019**.

