



أكاديمية البحث
العلمي والتكنولوجيا
Academy of Scientific
Research & Technology



Report on International Conference

Woman in Science Without Borders-WISWB

Bridging, Networking and Sustainable Development

Under Auspices of

Prof. Dr. Khalid Abdel Ghaffar

Minister of Higher Education & Scientific Research

Prof. Dr. Mahmoud Sakr

Honorary Chair of the Conference

President of Academy of Scientific Research & Technology

Chair of the conference

Dr. Amal Amin-EYAS advisory board member

21-23 March 2017

Hilton Ramses Hotel, Cairo, Egypt

International Conference for Woman in Science and International Networking

Bridging the Gender Gap in STEM in Favor of Sustainable Development

(Women in Science Without Borders-WISWB)

Under Auspices of

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Dr. Amal Amin-EYAS advisory board member

Students` competition coordinator
Dr. Bahaa Elgendy - EYAS Cochair

Conference coordinator
Dr. Merit Rostom - SNG Manager

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Some speakers of WISWB 2017

Acknowledgment

I as the chair of WISWB would like deeply to thank Prof. Dr. Mahmoud Sakr, the president of Egyptian academy for scientific research and technology (ASRT) for his strong support for the conference of women in science without borders (WISWB). Also, I would like to thank my colleagues in organizing that conference, Dr. Bahaa Elgendy and Dr. Merit Rostom, the coordinators of the conference. Special thanks must be extended to the Egyptian young academy members (EYAS); Dr. Mohamed Farag, Dr. Sherein Elagroudy, Dr. Rabab Elsherif, Dr. Ahmed Radwan, Dr. Abu Elnasr Sobeih, Dr. Mohamed Salama, Dr. Sameh hamdy and Dr. Gina Elfeky whose participation at the conference shared in its` success. I would like to thank all other organizing committee members, scientific committee, ASRT staff including -but not limited to- the staff of public relations office for their efforts. Big thanks must go to the sponsors who believed in the role of women scientists in changing the world including Wellcome trust, which was the first respondent one encouraging WISWB team to continue and contact other reputable sponsors as Elsevier which shared with financial support and through valuable training lecture for publication. Also, many thanks must go to other valuable sponsors as European commission, Misr elkhair, the international council for science (ICSU), the world academy of sciences -TWAS young affiliates network (TYAN), global young academy (GYA) and L`Oreal hoping for further future sharing and cooperation. Additional thanks must go to UNESCO, Arab science and technology foundation (ASTF), and national council for women as WISWB honorary supporters. High level participation of other organizations was highly appreciated as African Academy for sciences (AAS) and International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC). I would like personally to thank all participants including speakers, posters` presenters, attendees, students, referees, all staff, media representatives and organizations who made the real success of the conference with their interest and passion for the conference.

Finally, I would like to acknowledge all efforts exerted in that conference and I hope to continue supporting women in science everywhere in further future WISWB events.

Dr. Amal Amin

Chair of WISWB 2017

Introduction

Now, the term of women in science is usual but unlikely, is not specific to women scientists only but it is link related cooperation between males and females as colleagues, partners and collaborators to the enhancement of the total scientific research environment in favor of the development of countries, regions and the globe. Therefore, proposal was submitted by Dr. Amal Amin to the Egyptian academy for scientific research and technology (ASRT) headed by Prof. Dr. Mahmoud Sakr and the interested reputable sponsors to hold the 1st international conference for women in science- women in science without borders (WISWB) as new initiative and platform aimed at bridging the gender gap by both increasing the cooperation inside the academic and research communities between male and female scientists and by highlighting the success stories and role models to encourage, inspire and empower the new generations of students and scientists in order to increase their contribution in the future development plans. The main theme for WISWB was on bridging the gender gap in STEM in favor of sustainable development where WISWB was planned to be scientific merit-based meeting in different fields/disciplines of STEM as chemistry, physics, biology, medicine, engineering, etc. The participants were asked to display their cutting edge research mixed with their success stories to convey important message to the new generations that there is always hope to continue their way in research and academic life and to encourage them in the long journey of scientific research. Also, displaying mutual successful cooperation between male and female scientists was encouraged.



Opening of WISWB, left to right: Prof. Drs. Bahaa Elgendy (WISWB coordinator), Amal Amin (Chair of WISWB), Nadia I. Zakhary (Ex.minister of ST), Mahmoud Sakr (President of ASRT) & Elsevier and L'Oréal representatives

The conference activities

On 21st-23rd March, the first international conference for women in science (WISWB) was held for its` first day at Ramses Hilton- Cairo- Egypt under auspices of the ministry for higher education and scientific research and organized by the Egyptian young academy under supervision of the Egyptian academy for scientific research and technology. The conference was generally supported by Wellcome trust, Elsevier, L`Oreal, ICSU, TWAS network for young scientists (TYAN), GYA, European commission. Also, UNESCO, ASTF and national council for women were honorary supporters. High level representatives from (AAS) and (ISTIC) actively participated at WISWB.



Prof. Dr. Mahmoud Sakr- President of ASRT

The conference was attended and inaugurated in the presence of the president of the Egyptian academy for scientific research and technology, high level senior and young scientists together with representatives from international organizations, government, decisions makers, press, sponsors, NGOs and others. The opening was addressed by Prof. Dr. Mahmoud Sakr, the president of Egyptian academy for scientific research and technology who displayed the programs of ASRT as the main pillar for STI policies in Egypt focusing on the efforts of ASRT to empower young researchers and women scientists. Dr. Amal Amin gave short introduction to the conference addressing the significance and the aim of the conference, the sponsors, the guests and the tracks of the conference. Prof. Dr. Nadia Zakhary, the ex-minister for scientific research and technology

talked about the prominent Egyptian female scientists and the national council for women. Representatives of the other sponsors as Elsevier and L'Oreal talked in the opening about their policies and programs specially those related to the theme of the meeting, the women scientists and the gender issues.



Left to right: Dr. Amal Amin, Chair of WISWB – Prof. Dr. Nadia Zakhary, Ex. minister of Science and technology



Left to right: Dr. Merit Rostom, Coordinator of WISWB; Elsevier and L'Oreal representatives

The conference was free of charges and more than 2500 candidates applied to attend WISWB upon announcement about the conference on the web site of ASRT (announcements; annex 1-3). However, only few hundreds were selected (statistics; annex 4). The conference was open to both male and female scientists to bridge the gender gap and to encourage the cooperation between both of male and female scientists.



Some participants at the Opening Ceremony



Some participants at the Opening Ceremony

The conference was attended by more than 40 of the international speakers from 27 countries (International participants; annex 5). Most of them was supported by the generous grants received from welcome trust, Elsevier, European commission, Misr Elkhir, the international council for science (ICSU), TWAS young affiliates network (TYAN), global young academy (GYA) and L'Oreal.



Group of the International participants



Group of the International participants

The plenary session of the conference started directly after the official opening on the 1st day of the conference (21st of March). The plenary session was dedicated to display success stories for some of the successful role models of female scientists.



Group of the International participants

Thereby, three successful examples were invited from different countries as Dr. Hayat Sindi; Entrepreneur, I2 founder and president, member of scientific advisory board of the UN, Saudi Arabia & Prof. Dr. Quarraisha Abdool Karim, Infectious Diseases Epidemiologist and Associate Scientific Director of CAPRISA (L'Oreal Recipient 2014)-South Africa and Dr. Rana Dajani, member of UN women Jordan advisory council and one of the most influential women scientists in the Islamic and Arab world, Jordan. The session was ended by the lecture of Dr. Charon Duermeijer, the senior director, Academic Customer Engagement, Research Solutions, Elsevier, Netherlands who displayed the Elsevier report concerning the gender issue in a lecture entitled (addressing Gender in Scientific Publishing)



Left to right: Prof. Dr. Quarraisha Abdool Karim and Prof. Dr. Rana Dajani



Left to right: Prof. Dr. Hassan Azzazy (AUC) and Dr. Hayat Sindi (i2 founder)

Generally, the conference was run over 3 days, the first day was at Ramses Hilton hotel and the next 2 days were held at the academy for scientific research and technology (ASRT). The conference comprised of more than 105 lectures in 5 tracks as: track 1: Medicine-biology-pharmacy, track 2: Materials, Engineering, Energy, track 3: Sustainable development, gender issues, track 4: Food technology, Agriculture, Veterinary medicine, track 5: Environment in addition to poster session (the tracks and the program; annex 6, 7).



Left to right: Prof. Drs. Ahmed Saad (materials), Ahmed Magdy Gabr (agriculture)



Left to right: Prof. Drs. Quarraisha Abdool Karim, Shamsun Nahar Khan, Bo Yu (biology session)



Left to right: some participants from materials and Environment sessions



Left to right: Prof. Drs. Yehia Abd Elaziz (materials), Mahmoud Elsabahy (Biology), Daniel Nyanganyura (ICSU)

The first two days included the lectures of both national and international speakers; however, last day was dedicated to the selective speakers from the Egyptian universities and research institutes as the best picks from the Egyptian academicians and researchers.



Left to right: Prof. Drs. Abu Elnasr Sobeih (Gender issues), Ahmed Abd El-Moneim, Ojokoh Bolanle Adefowoke (materials)



Left to right: Dr. Amal Amin (Chair of WISWB), Dr. Merit Rostom, Dr. Bahaa Elgendy (Coordinators of WISWB) and Dr. Rabab Elsherif (materials)

The conference included two general workshops and training sessions as capacity building program to raise the qualifications of the attendees whether the national or the international ones. One of the workshops entitled as (Author seminar) was held on the 2nd day of the conference (i.e. 22nd March) at El Salam Theatre due to the large number of participants, that workshop was given by Elsevier and presented by Dr. Charon Duermeijer, senior Director, Academic Customer Engagement, Research Solutions, Elsevier, Netherlands. The second workshop or special session was dedicated to the innovation and was held on the 3rd day of the conference (i.e. 23rd of March). That session had three speakers as Prof. Dr. Tyseer Aboulnasr, visiting professor at Nile University, Egypt; Prof. Dr. Abdalla Alnajjar, President of ASTF (Arab Science and Technology Foundation) and Prof. Dr. Ghada Amer, Vice President of ASTF



Dr. Charon Duermeijer, Elsevier workshop



Left to right: Prof. Dr. Tyseer Aboulnasr, visiting professor at Nile University, Prof. Dr. Abdalla Alnajjar and Prof. Dr. Ghada Amer president and vice president of ASTF

Also, along the conference days, there was students` competition coordinated by Prof. Dr. Bahaa Elgendy from the 2nd grade to the stage of pre-phd of the scientific faculties such as medicine, dentistry, veterinary medicine, pharmacy, science, engineering, and agriculture. The competition was run in 5 fields related to sustainable development as education (quality education), environment (clean environment- climate change- clean water and sanitation), health (good health), renewable

energy and food. The contestants were asked to form teams including 2-6 members whether males or females to enhance the gender diversity at the early ages.



Students' activities

Large number of teams from all the Egyptian universities applied to participate at WISWB students' competition upon the disseminated call for conference. All applied teams submitted abstracts on their selected topics with 250 words for each. Final peer-reviewed selection was done where the best abstracts were nominated as finalists for the live competition during the conference days. The competition was held every afternoon along the conference days.



The winners of the students' competition with referees

Board of referees was formed for each field of the students' competition from the best academicians from Egyptian universities and some of the international participants. The main aims for that

competition were to enhance the science literacy, science communication and science education among the new generations.



Some referees of the students` competition

Left to right: Prof. Drs. Ahmed Radwan, Mai Allam, Rabab Elsherif, Amira El Gammal, Amal Amin, Merit Rostom, Sameh Sorrow, Mohamed Salama, Bahaa Elgendy

Three best positions were selected in each field; however, the real positive point behind the students` competition was encouraging the students` passion for science through competition and by allowing them to attend all conference sessions and interacting with speakers and other scientists.

Impressions, Feedback of some WISWB speakers and photos



Some of WISWB speakers at ASRT

Prof. Dr. Rana Dajani, Jordan

Member of UN women Jordan advisory council

This was a truly international conference. There were female scientists from all over the world. All countries were equally represented. There was an emphasis on South-South interaction. The scientific sessions were state of the art research presented by female scientists from around the world. There was a session on women in science addressing challenges and solutions. The local community was involved. Students from all levels were involved. Students' competition was an opportunity for students to practice science communication and to explore how they can affect society. There was support from government and parliament. Science and policy was an issue addressed as well. Workshop for developing skills was included from Elsevier. The conference was well organized. The conference offered in addition to the above an opportunity to network and establish mentoring pairs.



Left to right: Drs. (1st) Rana Dajani, Patricia Zancan, Hayat Sindi; 2nd; Maria Augusta Arruda; 3rd; Rana Dajani, Charon Duermeijer

Prof. Dr. Maria Augusta Arruda (Brazil/ UK)

Faculty of Medicine and Health Sciences, University of Nottingham

I would like to congratulate the organizing committee of the First International Conference on Women in Science without Borders (WISWB) for showing the world the power of female scientists, particularly from the developing world, in reshaping the Scientific Landscape for the common good using integrative, international and multidisciplinary strategies. During this scientific meeting, I had not only the chance to share with an interested and knowledgeable audience my

experience in managing a transatlantic, south-north initiative in Drug Discovery but also learned from the experiences of scientists and practitioners from 27 different countries. It has strengthened my belief that Science Diplomacy and Communication are key factors for the development of Science and dissemination of Knowledge, particularly in emerging economies. I am confident this initiative is a landmark in the understanding and improvement of gender relations in Science, not only regionally but globally. I am honored I have taken part in this groundbreaking event, and I do hope this meeting is the first of many to come – United we are stronger!

Ass. Prof. Dr. Patricia Zancan, Brazil

Federal University of Rio de Janeiro (UFRJ), Co-Chair of (TYAN)

That conference was an appropriate chance to call and invite researchers from 27 different countries to discuss the state of the art in different research fields. The conference was a meeting platform supported by Wellcome Trust, Elsevier, L'Oreal, ICSU, TYAN (TWAS Young Affiliates Network), GYA, European Commission and UNESCO. In this way, the conference was free of charges. I was one of the speakers where I sincerely thank the organizers and TYAN for this opportunity and for enabling this conference to bring scientists from different disciplines, stimulating discussions about their findings, approaches, methodologies, and implications of the gender issues. Personally, the lecture by Dr Quarraisha Abdool Karim about the prevention of HIV infection in young women in Africa by the program CAPRISA was breathtaking. It was so hard because of the numbers and facts but at the same time so encouraging because of the results that they're reaching. Additionally, I admired with success stories of Dr Hayat Sindi and Dr Rana Dajani which were stimulating. The conference stimulated many cross border discussions about challenging global issues such as promoting women in science and sustainable development. Several opportunities appeared from these active discussions that would lead to mutually beneficial collaborations. In addition, the networking opportunities made during the conference will facilitate establishing new research projects, joint applications for funds, and technology transfer.



Left to right: Prof. Drs. Venice Goda, Fatima Alhamlan, Patricia Zancan, Gina Elfeky, Evelyn Namubiru-Mwaura

Ass. Prof. Dr. Fatimah S. Alhamlan, Saudi Arabia

King Faisal Specialist Hospital, Alfaisal University, Riyadh

I was honored to speak at the 1st International Conference of Women in Science and International Networking: Bridging the Gender Gap in STEM in Favor of Sustainable Development (Women in Science without Borders) which was held in Cairo, Egypt, on March 21st–23rd, 2017. The conference was well organized and well attended by a remarkable gathering of international scientists who were able not only to learn from knowledgeable, prestigious speakers who had arrived from around the globe but, importantly, to network, sharing our latest research and ideas as well as the challenges we face as women in STEM. My heartfelt thanks must go to the organizers for conceiving and organizing this successful event. I hope that this conference will be held annually in different parts of the world to continue supporting women in STEM.



Left to right (speakers): Prof. Drs. Zakaria Fouad Fawzy, Ahmed Magdy Gabr, Tonnang Henri, Vijaya Khader, Egbal Dauqan, Maria Arruda, Shalini Arya, Vidushi Neergheen-Bhujun

Ass. Prof. Dr. Eqbal M. A. Dauqan (Yemen/Malaysia)

Visiting Scholar in School of Chemical Sciences and Food Technology, UKM

The first international Conference for Women in Science without borders (WISWB), Cairo - Egypt was amazing event. More than 100 scientific lectures and 27 Countries were participating in this conference. It was my great pleasure to be one of the invited speakers at that conference. I also would like to take this opportunity to express my sincere thanks to the organizing committee who worked hard in planning and ensuring the smooth running of this conference which could not have been carried out without their strenuous efforts. Finally, I am grateful to the organizing committee, invited speakers and participants for their interest, attendance and contribution to the success of this conference. I hope that this conference will continue to be organized in the future.

Ass. Prof. Dr. Shalini S. Arya, India

Institute of Chemical Technology, University of Mumbai

Attending WISWB was first of its kind international conference wherein the renowned women scientists across world attended and discussed the issues in various disciplines. The conference was supported by Egyptian Academy for Scientific Research and Technology (ASRT) and the Egyptian Young Academy for Sciences (EYAS). Living through innovation and scientific publications were some of the most impactful lectures which were very insightful and enlightening one. In addition to this, under every discipline, there were parallel sessions going on where being a biotechnologists and food technologist, I attended the materials & engineering, agricultural and food technology. Apart from technical sessions as discussed above, the hospitality, accommodation, food and facilities provided during the stay at Cairo were excellent. I could make many new friends; also, I have successfully made collaborations with some other scientists. Because of WISWB and interaction with the scientists from different countries, I have got many opportunities. Some of them have invited me to deliver lectures for the conferences that they are organizing. Thus, attending WISWB benefited me immensely professionally and personally. I am very much thankful and grateful to the organizers and the chair of the conference who is dashing, dynamic and very active motivating woman scientist I have ever met and whom gave me an opportunity to attend this conference.



Left to right: Prof. Drs. Bo Yu, Wegdan Mustafa, Amani Elfeki, Salma Al-Kindy, Sonali Das

Prof. Dr. Bo Yu, China

Deputy Director, CAS-TWAS Centre of Excellence for Biotechnology

I attended quite a few conferences overseas but this was the first opportunity for me to foot on the land of Africa, which gave me very impressive feelings on the friendly people, the history and the beautiful scenery of this mysterious land. The conference was a gathering of researchers from a wide variety of academic disciplines, countries, and perspectives. Although the meeting name was specified for women but the conference was open for both men and women scientists to bridge the gender gap in scientific research. The conference was well organized and there were a lot of talks catering to everyone's interests spanning over a period of three days. The topics of the parallel sessions were also well staggered and most of the talks were with heavy content and demos of scientific data workflows. One of my purposes for attending a conference like this was to network with people at my research field. During the conference, I talked with several people, including male and female scientists as well as students, who were interested in my talk. We talked about the possible ways for cooperation in the future. Furthermore, they all, especially females, expressed their anxious feelings that they want to be involved in scientific research and hope to have more chances for further study. The social evening provided a relaxed and informal opportunity to mingle and exchange ideas. I want to notice that even in China, now more and more female students are studying at the laboratories, while the ratio of females succeeded in the academic career is still much lower than the males. So, we are facing the same problems. In my presentation, I introduced the CAS President's International Fellowship Initiative and lots of students were interested and talked to me about the details. I will definitely give my support for the students and researchers, especially females, to get the information they wanted for application and hopefully, we could keep all in touch in future. Finally, thanks again for the organizers for organizing this successful event. It

is my sincerest hope that this conference could be held regularly to continue supporting women in STEM.

Ass. Prof. Dr. Amani Elfeki, Sudan

Department of Anatomy, Faculty of Medicine, National University, Khartoum

I would like to give a heartfelt thanks to the organizers for giving me this great opportunity to be in Cairo in the conference of women in science without borders (WISWB) and to meet with all participants. Your guidance and support in addition to all information I got from the researches and the discussions of all participants brought me to a new place in my professional life. I learned a great deal from observing you all tackling difficult challenges with intelligence, patience, and perseverance. Words cannot express my deepest and most sincere gratitude for you all.

Prof. Dr. Salma M. Z. Al-Kindy, Oman

The Dean of the College of Science, Sultan Qaboos University (SQU)

I was honored to be invited as a speaker at WISWB 2017. The conference was multidisciplinary in nature. It was attended by top scientists in their fields. It consisted of five tracks which were all important to our society. All the different tracks were accompanied by top presenters with interesting lectures. My talk was scheduled in Track 2. The presentations in track 2 were excellent and well received by the audience. I also chaired a session of track 2 on the second day of the conference. The conference also included student activities and competition session. The conference was well organized and provided a platform for scientists from different parts of the world to share knowledge, latest research, exchange ideas and most important networking in bridging the gender gap and share challenges facing women in STEM.

Prof. Dr. Sonali Das, Pretoria, South Africa

Modeling and Digital Sciences, Council for Scientific and Industrial Research (CSIR)

I visited Egypt for the first time as part of the 1st WISWB conference in March 2017. In spite of having spent about 15 years of my life in the African continent, Egypt presented to me a very different experience in many ways. First – the conference itself was uniquely conceived, in the sense that though it was aimed at ‘women’, it had presenters of both sexes, but most importantly the level of the conference in terms of topics as well as presenter-expertise was among the best I have

experienced in my career as a researcher. I am a statistician by training and I enjoyed the opportunities to engage in trans-disciplinary research to see the scope of statistical modeling and inference in them – and the 1st WISWB certainly presented me with a wide range of domain exposure. Second – I met a large number of participants, and especially the women, who were so enthusiastic about life in general, and their research in particular, that I felt a sense of re-generation within. I am very grateful to the network relationships I built across so many countries and disciplines via WISWB. I am well aware of the challenges women face, especially in less developed countries, to carry out research in STEM. Recognizing this, and creating a platform for supporting such, is a responsibility of each of us who have walked the road. This in fact, motivated me to mention that I would like to host WISWB in South Africa and bring it from the north of the continent to the south, giving emerging researchers in southern Africa the opportunity to meet contemporary researchers, and especially excite young girls to undertake STEM research as a career of choice. Finally, my salutations to Dr Amal Amin, the champion of the 1st WISWB as she inspired us to take up the challenge of not just doing research, but also enabling research in our spaces for others. In South Africa we believe in philosophy of ‘UBUNTU’ – oneness. Thanks a lot for inviting me, also supporting my travel, but most importantly giving me the opportunity to reflect about what I can do in return. I look forward to learning from your journey and hopefully in turn, inspire the next generation.



Left to right: Dr. Mary Awotund, Prof. Dr. Razika ZAIR TALA-IGHIL

Dr. Mary Ajimegoh Awotunde, Nigeria

Mechanical Engineering Department, University of Benin

The first international conference of WISWB, Egypt 2017 was indeed a memorable one! It was a rich mix of brilliant academicians, researchers and professionals who are trailblazers and pace-setters in their fields. It was a privilege to be a part of it. I learnt a lot during the program and most of all, the networks I made were simply priceless!

Prof. Dr. Razika Zair Tala-Ighil, Algeria

Institute of Electronic & Electrical Engineering- University of M'hamed Bougara Boumerdes

The first conference for women in science without borders (WISWB 2017) was a great success and showed the important place taken by women in science in the Arab region, the African continent and all over the world. I really appreciated the developed topics and all the opportunities of collaboration during this conference.



Left to right: Prof. Drs. Tarek M. Madkour, Tabassum Mumtaz, Muhammad Akhyar Farrukh

Dr. Tabassum Mumtaz, Bangladesh

Principle Scientific officer at Bangladesh Atomic Energy Commission (BAEC)

I received the invitation of WISWB from OWSD-update mails, in late November 2016. After one and half months, in January 2017, I wrote to the chair of the conference about my interest in participating at WISWB. Actually, I was delighted when I was accepted because I applied late but I was very much interested to join the conference because the theme was very inspiring and needless to say, the venue 'Cairo, Egypt' will automatically lead us to dream about Pharaohs and all the

mysteries that Cairo holds till date. Another important feature of this conference was discussions on cross-disciplinary works/researches which is very pertinent to any applied research at present. I was trying to look for travel grant from OWSD and when failed, the organizers offered travel subsidy and accommodation for the conference. I felt so blessed and to be frank, otherwise it would not be possible for me to attend WISWB. Those who work in Government sector have better experience in the situation where nothing can be planned ahead unless we got permission from our authority and ministry. Again, no fund is available for local and international seminar/conference participation even for an oral presenter. Alhamdulillah, I was lucky to get my papers ready on time and started my journey with a hope to meet EYAS and ASRT members as well as other participants. My feedback after attending the conference was as follows: Accommodation and hospitality- Very good, picking up from airport was a surprise for me as I could not check my email after boarding from Dhaka. Accommodation, conference venue and transport to and from ASRT – all were well organized. Inaugural ceremony and Technical program- Splendid! With more than 23 countries` representatives, the conference was really global and unique! All speakers of the plenary session of Day 1 were outstanding. I enjoyed the lectures of each one as Dr Rana who I met afterwards and from the discussion, regained the spirit of maintaining family and career parallel as a women scientist. It was such an honor and privilege to listen to Prof Quarraisha`s talk on HIV prevention in Africa. The talk of Dr Charon, senior director of Elsevier was very informative. The technical program was arranged in two parallel sessions and I joined Biology-Medicine-Pharmacy Track as I am from biological sciences background where as example Prof Dr Hassan Azzazy`s lecture was interesting and convincing. I would say all the paper presenters of this session excel in their own area of research for example Prof Dr Bo Yu of CAS- are doing excellent fundamental research in molecular biology. Track 3 of Session 1 consisted of policy makers compared to laboratory researchers where we got an overview of some initiatives/instances taken to encourage and allow women to do more science. The 2nd day of the conference started with Dr Charon`s talk on the scientific publication in Elsevier journals which was more suitable for post-grad research students. It was however, also important for young lecturers/researchers who just started supervising MS and/or PhD students. There were 4 parallel tracks in Day 2 before lunch break in which my presentation fell on session 2- Track II under Materials-Engineering-Energy theme. I received interests from Lecturers in Egypt and I hope we can exchange and share our expertise. I really enjoyed presentation of Prof Tarek on wastewater remediation by applying nanotechnology who I would like to collaborate with and others who work on wastewater remediation from different

perspectives. Dr Sonali and Prof Yehia's talks were quite advanced and in different dimension. It was indeed a much learning experience for me. The importance of cross-disciplinary researches and the vivid nature of STEM researches were realized. It was however, to be mentioned that I missed the presentation of other researchers due to simultaneous tracks and wished somehow it could be compensated. Overall the conference was a great success in bringing together a large no of researchers and policy makers from all around the world. The evening of Nile cruise was another memorable event where we experienced and enjoyed Egyptian culture and hospitality. Special thanks to the organizers, ASRT and EYAS for making it a success. It was indeed a scientific gathering without borders. Recommendation/Suggestions- In my point of view, the conference like this can also have panel discussions within sub-groups under each category/track which will sort out the way forward by providing some future directions.

Dr. Ojokoh Bolanle Adefowoke, Nigeria

Industrial Mathematics and Computer Science, the Federal University of Technology (FUTA)

I presented a paper on the second day titled "A Trigram Hidden Markov Model for metadata extraction from heterogeneous references". I also had the opportunity to inform the participants in my session about the TWAS Young Affiliates Network (TYAN) (which sponsored my travel ticket to attend the conference) and our upcoming First International Conference in August. It was interesting meeting with female and male scientists from different parts of the world. I exchanged complimentary cards with some of them, and intended to further build on the ideas that we shared. I was particularly educated by the Seminar presented by Dr. Duermeijer from Elsevier and challenged by Dr. Hayat Sindi's presentation on "Living through Innovation" and her contribution to Science and Technology in spite of her gender. I am grateful to the organizers of the conference for the hospitality, provision of accommodation, food, helping in visa, and TYAN for the travel sponsorship.



Some of GYA members (left to right: Prof. Drs. Chong Kok-Keong, Mimi Hassim, Sherein Elagroudy, Tonnang Henri, Vidushi Neergheen-Bhujun, Abdeslam Badre, Rym Kefi, Nova Ahmed, Muhammad Akhyar Farrukh)

Ass. Prof. Dr. Muhammad Akhyar Farrukh, Pakistan

Founding Director of Nano-Chemistry Laboratory, GC University Lahore

It was great to hear from Global Young Academy (GYA) about invitation to participate at the conference of Women in Science without Borders (WISWB). I was excited to know that one of the founding members of GYA was organizing and chairing this great conference which is unique in its theme as well. It was also wonderful that the conference was supported by the senior academy i.e. Egyptian Academy of Scientific Research and Technology (ASRT) as well as junior academy i.e. Egyptian young academy (EYAS). The conference was held in Cairo, Egypt in a very good atmosphere where venue was surrounded by several historical places. The conference aim was committed to communicate cutting edge research from both men and women scientists around the world. It was my honor to have been invited to deliver keynote talk at the conference on the topic of “Nanotechnology: A New Paradigm for Integrating Scientists across Disciplines towards

Sustainable Development”. I felt proud to represent Pakistan and GC University Lahore at this great conference and to share the scientific research in the field of nanotechnology with the other scientists coming from the globe. It was good opportunity to establish the collaboration with the other scientists in the field of nanotechnology, which was the main purpose of the conference. Financial support has always been a major concern especially for scientists from developing countries. I was lucky among others to get support from the organizers which made my visit successful. I am much grateful to the organizers to also give me the opportunity to chair the technical session at beautiful building of Egyptian Academy of Scientific Research and Technology. Meeting the young scientists, GYA fellows and participants from around 27 countries has been the most encouraging part of the conference which gathered the good number of scientists all around the world to discuss ideas and share knowledge. This type of conferences is the need of present era and must for scientific development of the country which should be organized every year. Last but not the least we enjoyed the social event NILE CRUISE at night and must thank the organizers for their every effort to help and accommodate the foreign delegates.



Left to right: Prof. Dr. Sharifah Maimunah Syed Zin, Prof. Dr. Tyseer Abouelnassr

Prof. Dr. Abdeslam Badre, Morocco

Mohammed V University of Rabat

WISWB held in March 2017 in Cairo Egypt came at a crucial timing and underscored invaluable outcomes, to say the least. On the one hand, the theme and location of the conference broke a long lasting silence the region has been undergoing vis-a-vis the question of gender in science due to the unforeseen political malaise and transformation eroded by the so-called “Arab Uprisings”. Revolutions and regime changes in the MENA region since 2011 have relegated the debate over gender and science. Hence, WISWB conference has revitalized the momentum, bringing together

an outstanding pool of international senior and young scientists from all the walks of science. Aside from the invaluable academic and professional discussions their papers and panels have contributed to the success of the event, the presence of 100 speakers and panelists from 27 countries sent a powerful message to the regional as well as international academic communities that the Arab region, and Egypt in particular, is still full of intent and capacities to provoke timely debates and yield programmatic outputs for crosscutting issues circumscribing the topic of women in science worldwide. Given both the qualitative and quantitative success the conference has underscored, and in order to push the agenda of gender in science forward, I highly recommend that this conference should be maintained as an ongoing annual appointment for scholars around the globe. It could be kept in Egypt or it may rotate around the countries of the MENA region and beyond. Finally, The event would not have been possible, had it not been thanks to the tremendous efforts and time invested by all the conference organizing committee members led by my dearest friend and colleague, Prof. Dr. Amal Amin whom I would like to express my gratitude.

Prof. Dr. Chong Kok-Keong, Malaysia

Faculty of engineering and science, University of Tunku Abdul Rahman

The very first international conference of women in science has absolutely been well organized with great achievements. The invited keynotes speakers have impressed me very well to show that the women can achieve excellent outcomes as men. In overall, it is considered as very successful interdisciplinary conference with many interesting topics and great presentations from women scientists or engineers. This conference has strong impact to provide international platforms for women to share their research achievements. Personally, I am deeply grateful for the invitation to attend such a prestigious and historical conference in Cairo. It was also my honour to serve as co-chair for sustainable development session during the conference and be given opportunity to share my research work in the area of solar energy as invited speaker. Last but not the least; I would like to express my heartfelt thanks to the organizers for conceiving and organizing such a successful event. Furthermore, the organizers have provided overwhelming hospitality and made most of us felt very welcoming. It is my wish that this conference should be held annually in different parts of the world to continue supporting women in STEM.

Dr. Mimi Haryani Hassim, Malaysia

Senior Lecturer of Chemical Engineering at the Universiti Teknologi Malaysia (UTM)

The event was so successful despite of it was the first time such conference was organized by the organizations. There were 13 of GYA members and alumni at the conference and the Chair of the conference herself was GYA alumni. Personally, I had the best experience throughout my attendance in the WISWB 2017 conference. I must say, I was surprised and highly impressed with the scale of the conference. There was large number of participants from both local and international. I really loved the keynote talks in the first day of the conference. I also had a very enjoyable experience during my presentation session. I was happy that what I presented caught attentions from the audience and the other presenters. I also found several good new collaborators as well by listening to the presentations in my session. Generally, each session at conference had around 6 to 7 presenters from different parts of the world. It was great to see how researchers from different countries and continents excitedly shared their latest research findings and expertise in this conference, which subsequently sparked potentially new research collaborations between the researchers from different institutions. We learned that since the conference has majority of participants from developing countries, the approaches used in one country may also suit well to other countries with similar scenarios. Scenarios here include standard of living, common health problems, similar geographical impacts on human life and well being as well as the economy factor. One of the best memories as well that we all enjoyed so much was the social dinner in the Nile Crystal cruise. That was such an amazing experience for us all who mostly visited Egypt for the first time during this conference. Overall, I had such a good experience and a great honour to be given the opportunity to attend WISWB 2017. Thank you very much to the organizing committee. Generally, the conference was very successful and we can really see how women researchers have and will continuously contribute a lot to advancement of STEM in their own country and across the globe. Note that majority of the presenters in this conference were women. Congratulations again to the organizing committee for such a wonderful event. Hope this conference will be organized again as a routine annual or biennially.



Left to right: Prof. Drs. Salma Al-Kindy, Mimi Hassim, Sachiko Hirata-Mogi

Ass. Prof. Dr. Nova Ahmed, Bangladesh

School of Engineering & Physical Sciences-North South University

It was a wonderful experience for me. I was able to appreciate the opportunities I received myself being in the field of Science and Technology, being a woman and finally, growing up from a developing country. At the same time, I was able to find out about refugee scientists, scientists who face challenges pursuing the basic dreams. The best part of the conference was the keynotes - they blew my mind, every single topic was amazing. Also, I enjoyed the entertaining cruise a lot. I joined many sessions beyond my subject area - some of which I was able to comprehend, some not - but all of it was a great way to look through the windows of knowledge. My own session was enjoyable - we had discussions, follow ups and more. I would love to stay connected with this great group of scholars. It will be an honor to serve the team again in future if needed. Also, I am extending an open invitation to visit Bangladesh.

Dr. Vidushi Neergheen-Bhujun, Mauritius

Senior Lecturer, Department of Health Sciences, Faculty of Science, University of Mauritius

I have enjoyed the conference in the first place because the theme “Women in Science without Borders” is close to my ideology. The support for this approach in the keynote sessions was amazing with renowned women scientists like Dr Hayat Sindi, Prof Quarraisha Abdool Karim and Dr Rana Dajani relating the struggles they have been through and believing that their lives should not be limited to anything. This was my first time in Cairo, Egypt, and I must admit I enjoyed the company of like-minded people from 27 countries. As a women scientist, I felt privileged to have

participated at this first International conference of Women in Science, an initiative that must be repeated. The 1st International Conference of Women in Science has been a great forum for meeting and exchanging experiences and ideas both on the research front and on challenges faced by women scientists. I wish to thank sponsors for the travel fund, the Egyptian Academy for Scientific Research and Technology and the Egyptian Young Academy for Sciences for their hospitality.



Left to right: Prof. Drs. Nadia I. Zakhary, Mohamed Farag, Rym Kefi

Ass. Dr. Rym Kefi, Tunisia

Pasteur Institute of Tunisia

I was invited to participate at WISWB held in Cairo, Egypt, from March 21st to 23rd, 2017. During the first session, I presented an oral presentation. I enjoyed the conference and I appreciated the workshop animated by Elsevier on the preparation of a scientific article. I liked very much the interaction with the Egyptian students who were impressed by the quality of our work and our perseverance to overcome the difficulties during and after the Tunisian revolution. This congress was very well organized. It was an opportunity to have an idea on the situation of women scientists in the world and the challenges they face. It was also a good opportunity for me to meet colleagues from various countries and to discuss possibility to set up collaborative projects.

Ass. Prof. Dr. Alaa Abouelfetouh, Egypt

Faculty of Pharmacy, Alexandria University

It was a great opportunity to meet researchers from diverse backgrounds and different countries. One of the most interesting aspects of the conference was that it focused on women in science, yet many of the attendees were males, which attested at the broad mindedness and lack of gender bias among the researchers attending the conference. I especially liked hearing about other people's

work and about the leading stories in some countries that some of the speakers shared with us and that addressed women problems and supported their empowerment. All in all, it was a nice experience that showed a comprehensive and neutral approach of the problems women face in some countries in their lives and line of work.



Nile Cruise with group of participants



Some female scientists at ASRT

Final Remarks

It was clear the immense need to encourage such multidisciplinary scientific meetings as in case of WISWB 2017 for the sake of development on the level of scientific communities and the countries. That kind of meeting facilitates integration between scientists from different disciplines empowering the concept of gender diversity instead of gender separation which strengthens the phenomena of creating teams as power point for development instead of working as individuals as separate islands as most of scientific work in different developing countries. Accordingly, as a general agreement from all WISWB participants and speakers, it was recommended to hold WISWB regularly as annual or biannual tradition whether in Egypt or outside Egypt with more sessions for panel free interactive discussions. Also, It was obvious from WISWB 2017, that larger numbers of scientists -other than those who were chosen as participants at WISWB whether from inside or outside the country- were in need for more financial support to attend, so, more budget will be needed in the future events to help more scientists to attend from other regions.

Annex 1



WISWB
WOMEN IN SCIENCE
WITHOUT BORDERS



SNG
علماء الجيل القادم
Scientists for Next Generation



EAS
www.eas.eg.net



أكاديمية البحث
العلمي والتكنولوجيا
Academy of Scientific
Research & Technology

SILVER



GOLDEN



PLATINUM



BRONZE



THE FIRST INTERNATIONAL CONFERENCE WOMEN IN SCIENCE WITHOUT BORDERS

Under Auspices

Prof. Dr. Khalid Abdel Ghaffar
Minister of Higher Education & Scientific Research

Prof. Dr. Mahmoud Sakr
President of Academy of Scientific Research & Technology

21-23 March 2017
Ramses Hilton Hotel, Cairo, Egypt

Empowerment Of cooperation between Women & Men scientists

Academy of Scientific Research & Technology

INTRODUCTION

It is not a matter of women or men scientists, but it is a matter of increasing cooperation between both sides for the sake of sustainable development". The organizers of WISWB are pleased to invite women, men scientists and researchers in all fields of STEM including medicine (Science, technology, engineering, math) from Egypt and world-wide to participate in its` activities. WISWB will be a platform to display scientific based cutting edge research and innovation including free discussions and interactive sessions on different topics concerned different disciplines.

WISWB is seeking for supporting scientific excellence and impact on society. Additionally, WISWB will highlight the role of scientists as mentors, role models and inspiration for the new generations. Attendance in the conference is open and open for scientists, scholars, students, entrepreneurs, journalists, authorities , etc.

The conference will comprise author seminar presented by Elsevier.

Students` competition

The conference will comprise students` competition which will be held aside the main conference for university students and young researchers (before PhD) from all Egyptian universities and research institutes whether females or males. The participation will be in form of teams where the participating teams should comprise of 2 to 6 members. The teams will be asked to give presentations in English for 15 minutes using power point, videos, etc. 250 words abstracts should be submitted up to than 9th of March where the results of selection will be by 16th of March 2017.

TOPICS

- 1- Education- (Quality education)
- 2- Environment (Clean Environment - Climate Change- Clean - Water and Sanitation)
- 3- Health (Good Health)
- 4- Renewable Energy
- 5- Food

For more information please contact

Dr.Amal Amin - Chair of the conference
aamin_07@yahoo.com

Dr. Bahaa Elgendy – Students` competition Coordinator
belgendy@fsc.bu.edu.eg

Dr. Merit Rostom - Conference Coordinator
dr.sng_rostom@yahoo.com

WOMEN & MEN **CONFERENCE REGISTRATION DEADLINE IS 9/3/2017**

(Competition) <https://goo.gl/forms/ahyYVOuMLrclJbl72>

(Attendance) <https://goo.gl/forms/wSS4Ndam8j4yelg62>

Annex 2



المؤتمر الدولي الأول للمرأة في العلوم بلا حدود

تحت رعاية

الأستاذ الدكتور / خالد عبد الغفار
وزير التعليم العالي والبحث العلمي

الأستاذ الدكتور / محمود محمد صقر
رئيس أكاديمية البحث العلمي والتكنولوجيا

23-21 مارس ٢٠١٧ بفندق هيلتون رمسيس ، القاهرة - مصر

تمكين التعاون بين العلماء النساء والرجال

مسابقات الطلاب

مقدمة

سوف يتضمن المؤتمر مسابقات للطلبة ويقبل التقديم من الفرق المكونة من ٢ - ٦ طلاب أو باحثين في مرحلة ما قبل الدكتوراة في مجالات الطب بجميع فروعها والصيدلة والهندسة والعلوم والزراعة. يجب ان تتكون الفرق المشاركة من ٢ إلى ٦ اعضاء وسوف يسمح للعرض المتوقع ان يتم في ١٥ دقيقة باللغة الانجليزية. يجب ان يتم تقديم ملخص علمي من ٢٥٠ كلمة بحد أقصى يوم ٩ مارس على ان تعلن نتيجة اختيار الفرق المشاركة ١٦ مارس ٢٠١٧.

ان تعبير المرأة في العلوم لا يخص فقط السيدات العالمات و لكن العلماء الرجال ايضا حيث ان التعاون المثمر و التفاهم بين الطرفين قد يكون في صالح النهوض بالبحث العلمي والتنمية المستدامة المرجوة على مستوى العالم و على المستوى الاقليمي و المحلي.

لذا فمؤتمر المرأة في العلوم بلا حدود سوف يكون اجتماع مناسب لكافة الاطراف المهمة بقضية المرأة في العلوم خاصة والنهوض بالبحث العلمي و دورة في التنمية عامة سواء من العلماء الرجال والسيدات والطلبة والباحثين و رجال الاعلام والعاملين بالشان العام حيث سوف يتم تبادل الخبرات العلمية على مستوى دولي و محلي بين كافة الفئات العمرية و التخصصات المختلفة في مجال العلوم و التكنولوجيا و الهندسة و الابتكار والطب و التنمية المستدامة.

المجالات

١. التعليم (جودة التعليم)
 ٢. البيئة (نظافة البيئة - التغيرات المناخية - مياه الشرب والصرف الصحي)
 ٣. الصحة (الصحة الجيدة)
 ٤. الطاقة المتجددة
 ٥. الغذاء
- لمزيد من التفاصيل يجب مراجعة الاعلان باللغة الانجليزية. للاستعلام يرجى الاتصال على

أ.د / أمل أمين - رئيس المؤتمر

aamin_07@yahoo.com

أ.د / بهاء الجندي - منسق المسابقات

belgandy@fsc.bu.edu.eg

د / ميريت رستم - منسق المؤتمر

dr.sng_rostom@yahoo.com

سوف يتضمن المؤتمر ورشة عمل مقدمة من السيفير للنشر في الدوريات العلمية الدولية

آخر موعد للتسجيل بالمؤتمر ٢٠١٧/٣/٩

<https://goo.gl/forms/ahyYVOuMLrclJbl72>

(المسابقة)

للنساء والرجال

<https://goo.gl/forms/wSS4Ndam8j4yelg62> (لحضور المؤتمر ومحاضرة السيفير)

Annex 3

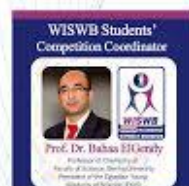
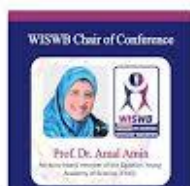
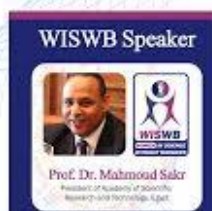


International Conference

Woman in Science Without Borders-WISWB

Bridging, Networking and Sustainable Development

Under Auspices of



Sponsors

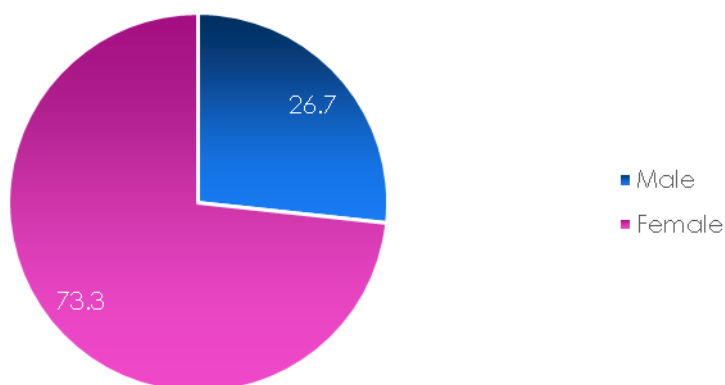


www.asrt.sci.eg

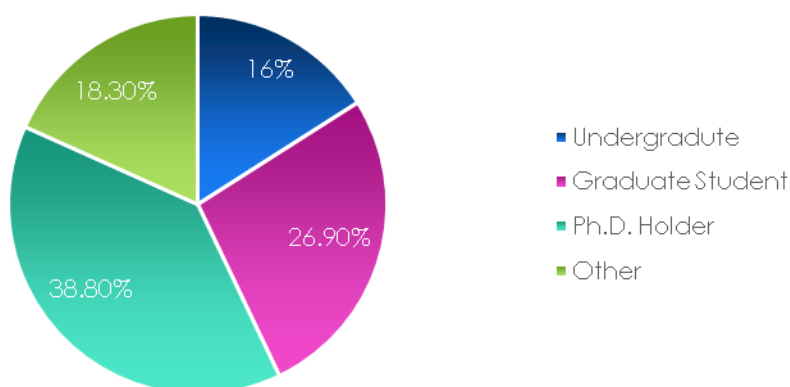
Statistics (Annex 4)

No of applicants	2456
No of selected Applicants	350
No of applied Teams	92
No of selected Teams	48
No of winners	16 Teams

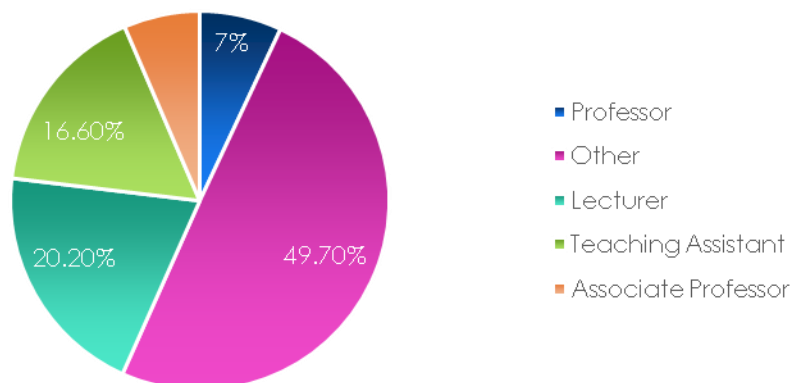
Gender



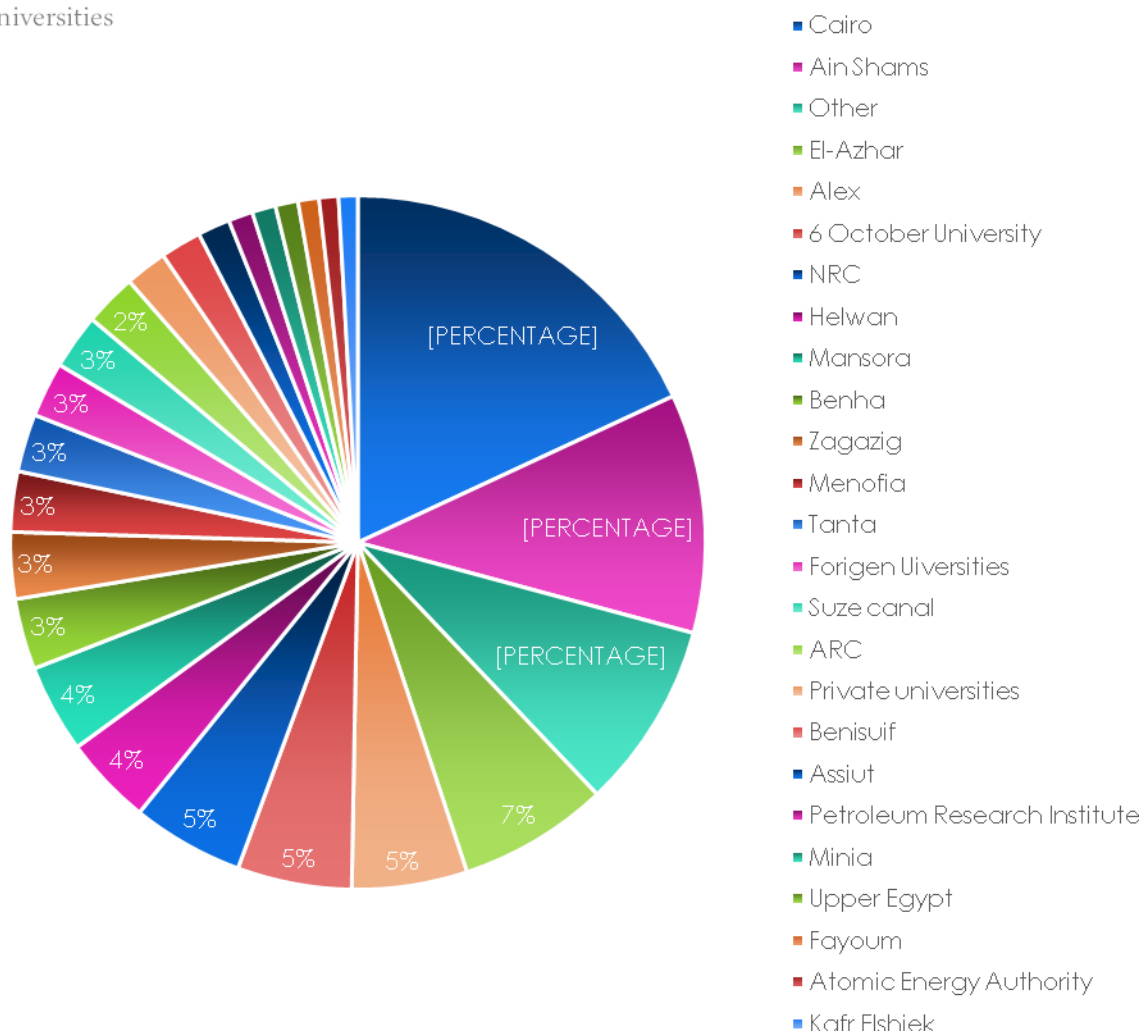
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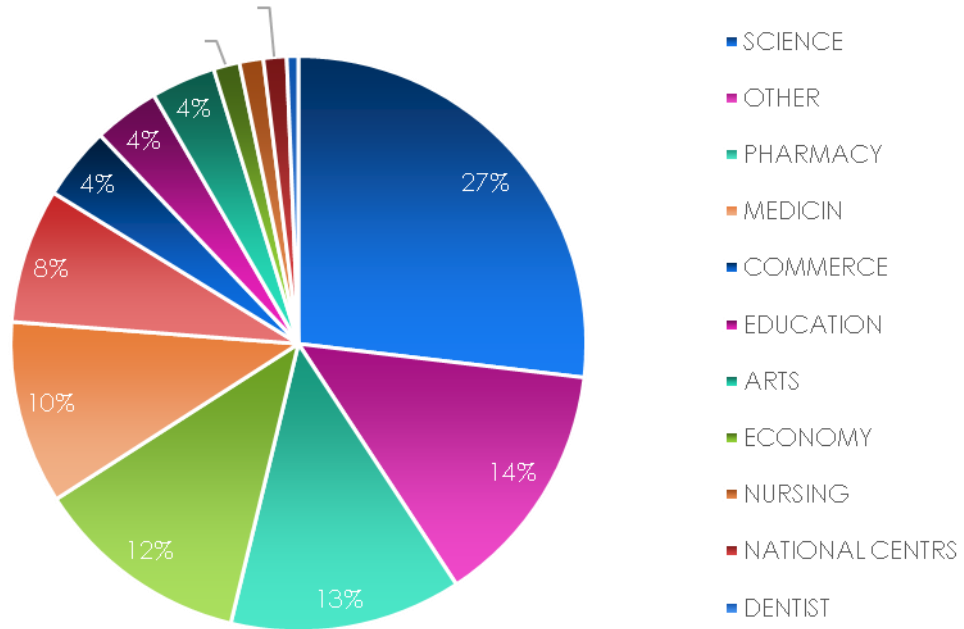
Academic Position



Universities

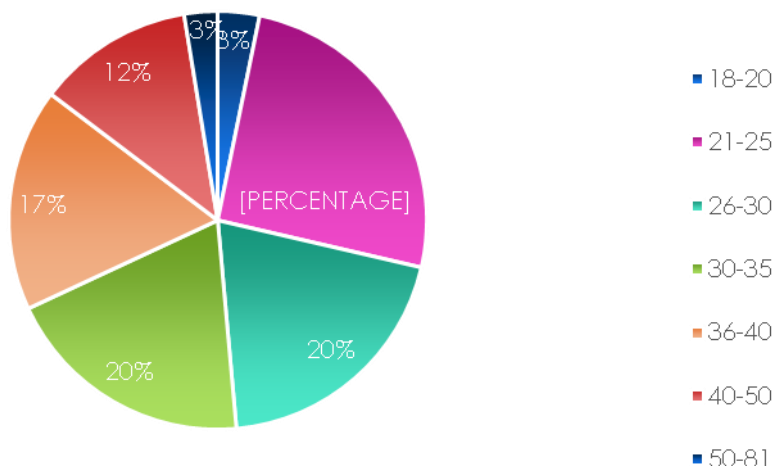


Faculties

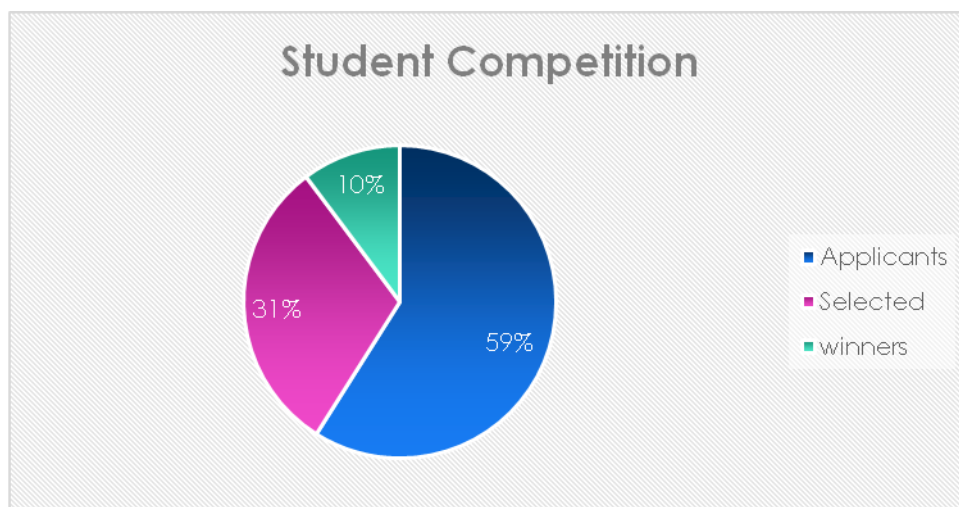


Age

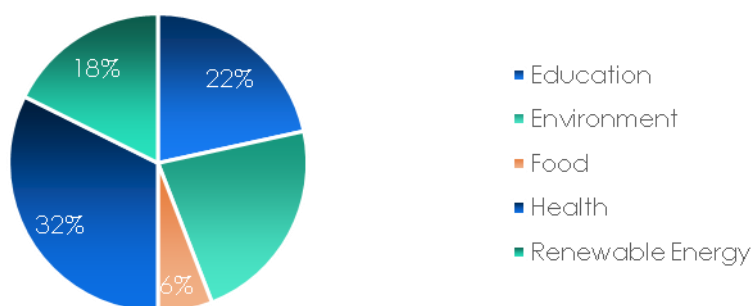
avg = 31.84706



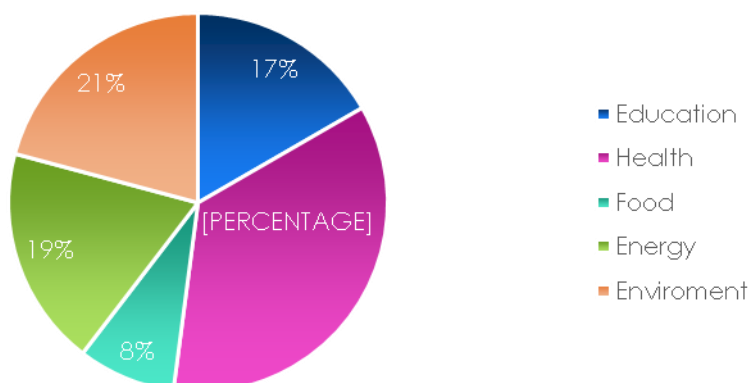
Competition



Fields of applied teams

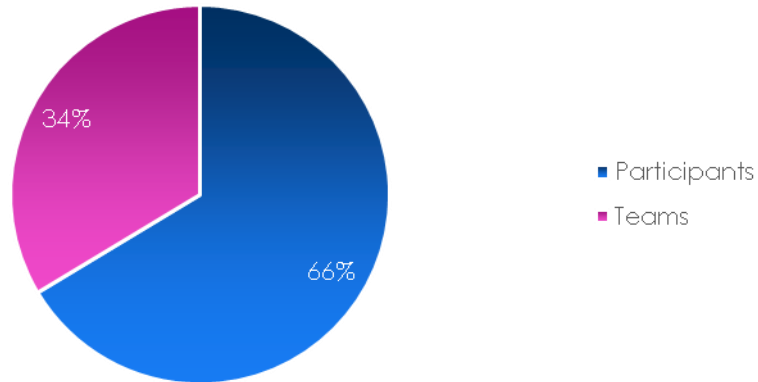


fields of selected teams

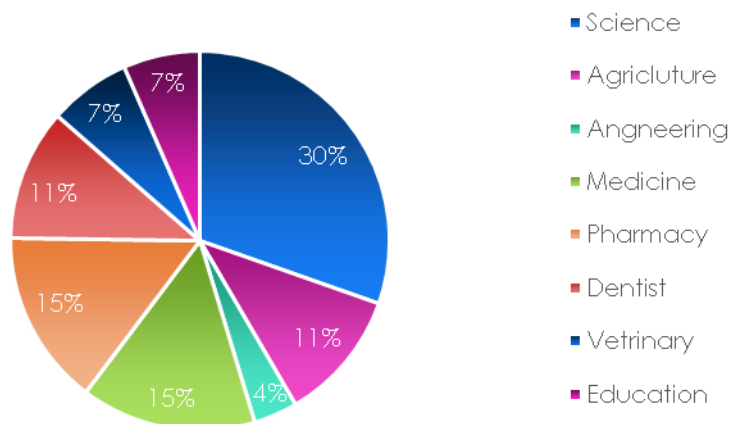


Selected participants

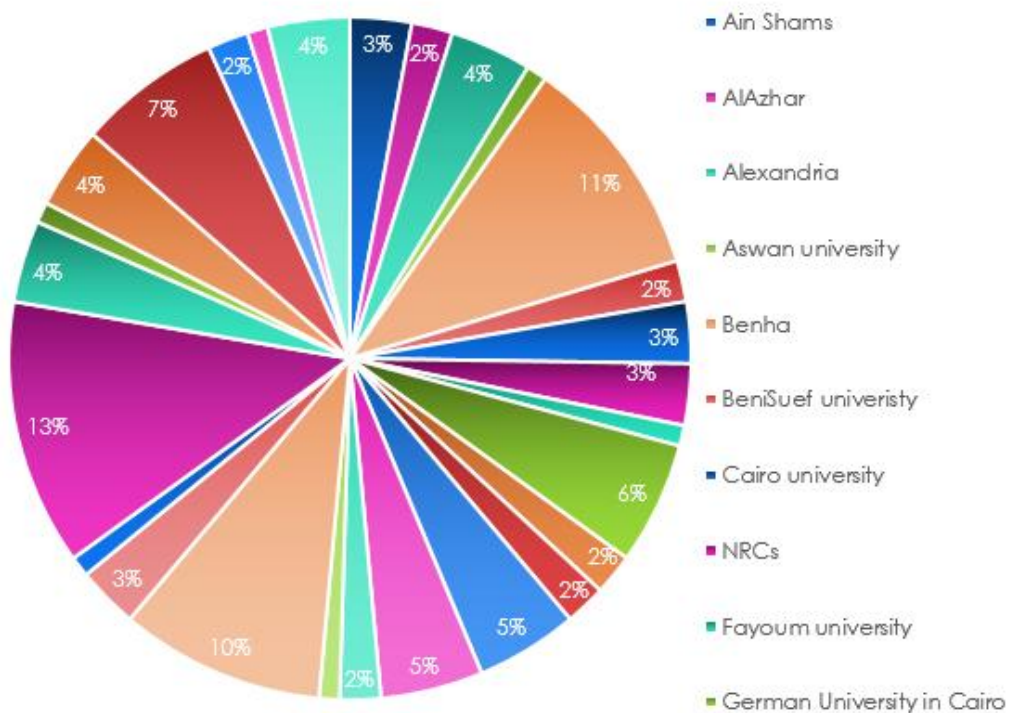
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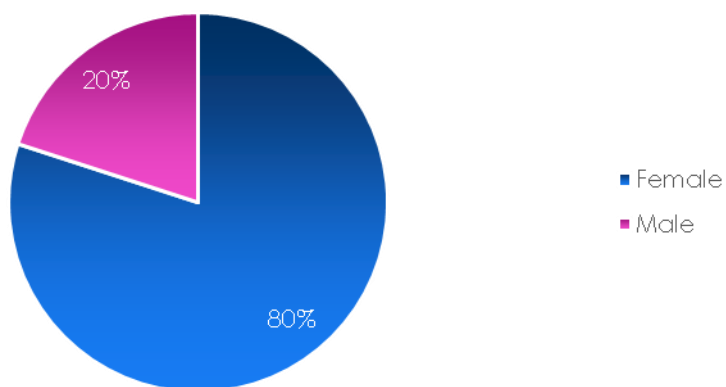
Faculties



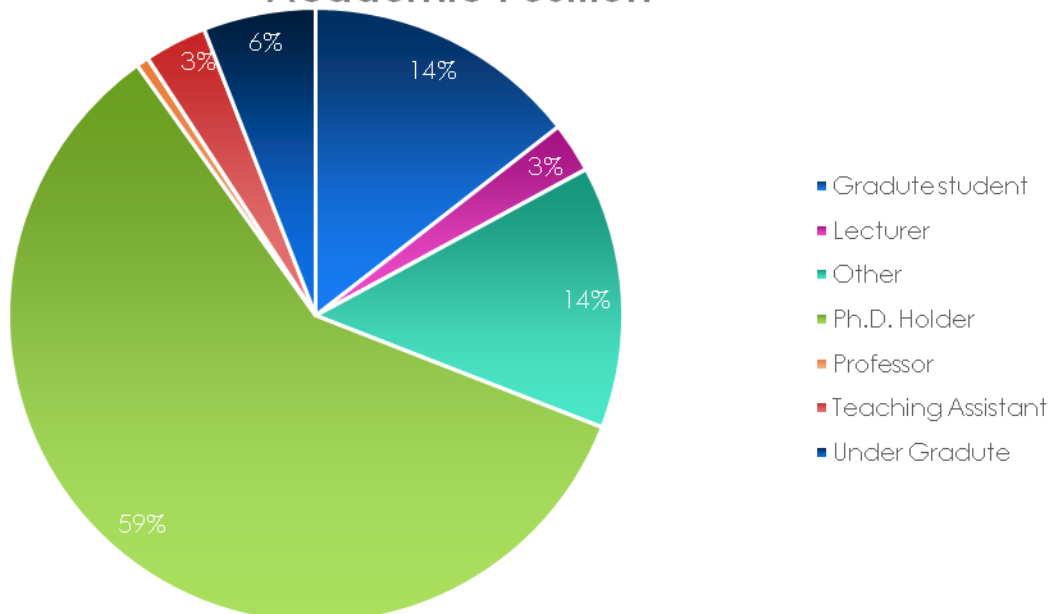
Universities



Gender



Academic Position



Annex 5

International Participants at the International conference for women in science without borders
(WISWB)

No.	Name (Prof. Dr.)	Country
1	Hayat Cindy	Saudi Arabia
2	Eqbal M. A. Dauqan	Yemen/Malaysia
3	Rana Dajani	Jordan
4	Razika ZAIR TALA-IGHIL	Algeria
5	Rym Kefi	Tunisia
6	Maria Augusta Arruda	Brazil/UK
7	Kok-Keong Chong	Malaysia
8	Nova Ahmed	Bangladesh
9	Muhammad Akhyar Farrukh	Pakistan
10	Mary Ajimegoh Awotunde	Nigeria
11	Shalini S. Arya	India
12	Tabassum Mumtaz	Bangladesh
13	Quarraisha Abdool Karim	South Africa
14	Fatimah S. Alhamlan	Saudi Arabia
15	MIMI HARYANI HASSIM	Malaysia
16	Shamsun Nahar Khan	Bangladesh
17	Abdeslam Badre	Morocco
18	Vidushi Neergheen-Bhujun	Maurituis
19	Sonali Das	South Africa
20	Bolanle Ojokoh	Nigeria
21	Patricia Zancan	Brazil
22	Bo Yu	China
23	TONNANG ZEFACK Henri	Kenya
24	Wegdan Mohammed Mustafa	Sudan
25	Amani Elfeki	Sudan
26	Salma M. Z. Al-Kindy	Oman
27	Smita C. Pawar	India

28	A. Sabitha Rani	India
29	Motha Satya Vani	India
30	Kodali Vijayanthimala	India
31	Vijaya khader	India
32	Ms. Nageen Ainuddin	Pakistan
33	Daniel Nyanganyura	South Africa
34	Evelyn Namubiru-Mwaura	Kenya
35	Sharifah Maimunah Syed Zin FASc	Malaysia
36	Sachiko Hirata-Mogi	Japan
37	May Talib Flayyih	Iraq
38	Saadyiha Ahmed Dhahir	Iraq
39	Ahlam Mohammed Farhan	Iraq
40	Khulood Abid Saleh	Iraq
41	Anke Klinger	Germany
42	Charon Duermeijer	Netherlands-Elsevier
43	Ms. Jana El Baba	Lebanon-UNESCO
44	Frank Gunzer	Germany

(Annex 6) Tracks in details (5 Tracks; Lectures + posters)

Track I - Medicine-Biology-Pharmacy, 21-3-2017

No	Name (Prof. Dr.)	Country	Affiliation	Lecture
1	Mohamed A. Farag	Cairo	Alexander von Humboldt fellow Professor, Faculty of Pharmacy Pharmacognosy department, Cairo University, Egypt	Metabolomics gateway for milestone discoveries in the post genomic era
2	Dr.Amani Elfeki	Sudan	Associate Professor: Department of Anatomy, Faculty of Medicine, National University, Khartoum/ SUDAN	Recent diagnosis of schizophrenia depending on the abnormality of subcortical structures
3	Dr.Fatimah S. Alhamlan	Saudi Arabia	Scientist & Assistant Professor, department of Infection and Immunity-King Faisal Specialist Hospital & research Center Alfaisal University Riyadh, Saudi Arabia	Women in Science, Are we there yet?
4	Hoda Yousry Abdallah Ibrahim	Ismailia, Egypt	lecturer of medical genetics and the coordinator of the molecular biology unit in center of excellence for molecular and cellular medicine -department of Histology and Medical Genetics-Faculty of Medicine - Suez Canal University	Updates in Cancer Epigenetics

5	Dr. Mahmoud Elsabahy	Assiut	The Director of the Assiut International Center of Nanomedicine at Alrajhy Liver Hospital, Deputy Director of the Drug Research Center, and Associate Professor at the Department of Pharmaceutics, Faculty of Pharmacy, Assiut University	Towards Successful Development of Pharmaceutical Industry in Egypt
6	Hassan M. E. Azzazy	Cairo	full professor of Chemistry (2003-present) at the American University in Cairo (AUC)	Converting BioNanotech Research Data into Medical Products: The Tales of Two Startups
7	Shamsun Nahar Khan	Bangladesh	chairperson and Associate Professor in the Department of Pharmacy, East West University, Dhaka, Bangladesh	Excitement in Chemical and Biological Sciences: Drug Discovery and Development
8	Smita C. Pawar	India	assistant professor-Department of Genetics & Biotechnology Osmania University, Hyderabad, India	Cloning and Evaluation of NC1a6 and its partial peptides (N-ter and C-ter) role in tumor Angiogenesis
9	Alaa Abouelfetouh	Alexandria	Associate Professor of Microbiology at the Faculty of Pharmacy, Alexandria University	Treating methicillin resistant staphylococcal infections in Alexandria, Egypt with fusidic acid: where we stand and how to go far?
10	Prof. Ebtehal El-Demerdash	Cairo	Prof. and Head of Pharmacology & Toxicology department, Faculty of Pharmacy, Ain Shams University	Successful story of joint research between Ain Shams University (Egypt) and Pretoria University (South Africa)

11	Dr.Kodali Vijayanthimala	India	Director in S.N.C for Women Studies	Diabetes and its control –Role of Diet and exercise
12	Laila M. Montaser	Menoufia	Professor of Clinical Pathology and Hematology at the School of Medicine in Shebin El-Kom, Menoufia	How Plasma Concentrate and Stem Cells for Stem Cell-based Tissue Engineering Could Contribute to Articular Cartilage Tissue Regeneration
13	Maria Augusta Arruda	Brazil/UK	Cell Signaling Research Group at the University of Nottingham (UoN)-UK	Transatlantic collaboration in Drug Discovery: Soft Power in a Hard Science World
14	Mohamed Salama	Mansura	the director of the Medical Experimental Research Center (MERC) of Mansoura University	Environment Gene Interaction in Egyptian Parkinson's Disease Patients
15	Rym Kefi	Tunisia	Associate Professor-Institut Pasteur de Tunis-Team leader in the Laboratory of Biomedical Genomics and Oncogenetics-Responsible of the genetic typing core facility	DNA typing for genetic diseases investigation and human identification: role of women scientists
16	Dr. Ejidike Peter	South Africa	postdoctoral candidate at Vaal University of Technology, Faculty of Computer and Applied Sciences	In vitro Antioxidant and Anticancer Studies of Heterocyclic Schiff base Ruthenium (III) complexes: Synthesis and Characterization
17	Wegdan Mohammed	Sudan	assistant professor in anatomy department,	A New Approach for the Quantitative

	Mustafa		National University	Evaluation of the Frontal Lobe Structures Depending on Age and Sex
18	Quarraisha Abdool Karim	South Africa	Associate Scientific Director of CAPRISA-infectious diseases epidemiologist-L`Oreal Awardee 2014	Preventing HIV infection in young women in Africa
19	Hayat Cindy	Saudi Arabia	Entrepreneur, I2 founder and president, Diagnostics for all	Role of science in the Islamic world
20	Rana Dajani	Jordan	Associate Professor and former Director of the center of studies at the Hashemite University	Three Circles of Alemt-Genetic risk factors for diabetes in ethnic populations
21	prof.Nadia I. Zakhary	Cairo	Professor of Medical Biochemistry, National Cancer Institute, Cairo University, Former Minister of Scientific Research.	Application of Molecular Biology for Breast Cancer Diagnosis, Prognosis and Treatment
22	Bo Yu	China	Deputy Director CAS-TWAS Centre of Excellence for Biotechnology	Microbial synthesis of high-value plant secondary products: Bio-resource mining and protein engineering
23	Patricia Zancan	Brazil	Associate Professor at Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Federal University of Rio de Janeiro (UFRJ), Brazil, Co-Chair of the TWAS Young Affiliates Network (TYAN)	Tumor biology: targets and drugs.

24	Lamees Hegazy	Benha	founder of Avisina Group	In Silico Virtual Screening and Free Energy Calculations for Discovery of Anti-Zika Virus drugs
25	May Talib Flayyih	Iraq	Professor in the Department of Biology; College of Science; University of Baghdad	Evaluation of Virulence factors and Vancomycin- Resistant of Multidrug Resistant Enterococcus faecalis by Polymerase chain reaction (PCR) technique
26	Amani Abdel Fattah Bayoumi	Egypt	Lecturer of Forensic& Clinical Toxicology, Faculty of medicine, Cairo University, Egypt	Discrimination against Egyptian women in certain professional& social fields

Tack II- Materials-Engineering-Energy

No	Name	Country	affiliation	Lecture
1	Prof. Abd El-Moneim	Alexandria	professor of materials Science and engineering at Egypt-Japan University of Science and Technology	PLANAR AND VETRTICALLY ALIGNED GRAPHEENE FOR FUTURE ENERGY STORAGE APPLICATION
2	Tabassum Mumtaz	Bangladesh	Principal Scientific officer at Bangladesh Atomic Energy Commission (BAEC)	Biodegradable Plastic Research Initiatives in Bangladesh: Primary Isolation and Screening of Polyhydroxybutyrate (PHB) Producing Bacteria from Compost Samples
3	Muhammad Akhyar Farrukh	Pakistan	Associate Professor, principal Investigator of Projects/Founding Director of Nano-chemistry Laboratory, GC University Lahore	Nanotechnology: a New Paradigm for Integrating Scientists across disciplines towards sustainable development
4	Mary Ajimegoh Awotunde	Nigeria	Lecturer II, Mechanical Engineering Department, University of Benin	Pre-strain Effects on Fracture Behavior of Steel used for Car Manufacture
5	Nageh Allam	Cairo	Director of the Energy Materials Laboratory at the American University in Cairo	Earth-Abundant Nanostructured Materials for Efficient Solar Energy Conversion
6	Ahmed Radwan	Egypt	IEEE senior Member, director of Nanoelectronics Integrated Systems Center (NISC), Nile University, Associate Professor in the Engineering Mathematics and Physics Department-Cairo university	On the Recent Simple Image Encryption Systems

7	Bahaa El-Dien M. El-Gendy	Benha	Associate Professor of Bio-Organic Chemistry at Benha University, Egypt	Starving Cancer Cells to Death
8	Usama F. Kandil	Cairo	Director of Polymer Nanocomposite Center at Egyptian Petroleum Research Institute (EPRI), Cairo, Egypt	Nanoparticles Toughened Epoxy for Energy Absorbing Composites
9	Kok-Keong Chong	Malaysia	Professor at Universiti Tunku Abdul Rahman-Research Methods in Science & Engineering for master and Ph.D. programs, Solar Cell Technology, Renewable Energy and Optoelectronic.	Research and development of solar energy in developing countries
10	Razika ZAIR TALA-IGHIL	Algeria	Associate Professor at Institute of Electronic & Electrical Engineering University M'hamed Bougara Boumerdes	Nanotechnology for clean Environment and Renewable Energy
11	Prof. Yehia Abdel-Aziz	Cairo	professor of Space Flight Dynamics and Control at Space Research Laboratory, NRIAG, Egypt	Spacecraft Environments interactions Engineering
12	Tarek M. Madkour	Cairo	professor of physical chemistry of polymers at the department of chemistry-American university in Cairo	Development of biodegradable nanoporous polymeric membranes for removal of suspended micro-contaminants from industrial wastewater
13	Khulood Abid Saleh	Iraq	professor of physical chemistry-Acting Dean	Economical method to improve the corrosion

			College of science for Women-Baghdad university	resistance of metal substrates
14	EHAB ABDEL-RAHMAN	Cairo	professor at the Department of Physics-the American University in Cairo (AUC)- Interim Provost of AUC	Thermoacoustic Engines and Refrigerators
15	Salma M. Z. Al-Kindy	Oman	the Dean of the College of Science, and a Professor of Analytical Chemistry at Department of Chemistry, Sultan Qaboos University (SQU)	MINIATURIZED "GREEN" ANALYTICAL SYSTEMS AND NANOSTRUCTURED MATERIALS FOR ENVIRONMENTAL REMEDIATION
16	Eslam Soliman	Assiut	lecturer in Civil Engineering Department, Faculty of Engineering, Assiut University, Assiut	Development of CNTs Polymer Nanocomposites for Sustainable Infrastructures
17	OJOKOH Bolanle Adefowoke	Nigeria	Senior Lecturer- Industrial Mathematics and Computer Science Department of the Federal University of Technology, Akure (FUTA), Nigeria	A Trigram Hidden Markov Model for Metadata Extraction from heterogeneous references
18	Dr.Sonali Das	South Africa	Principal Researcher (Statistics), Advanced Mathematical Modeling Competence Area, CSIR Modeling and Digital Science, Pretoria, South Africa	QUANTIFYING HUMAN GAIT MEASUREMENTS USING NOVEL STATISTICAL APPROACH
19	Ahmed Saad Gomaa	Egypt	the founder and the director of Center for	High Performance and Stimuli-responsive

	Khalil		Environmental and Smart Technology (CEST) at Fayoum University	Patterned Water Desalination Membranes
20	Rabab Elsherif	Egypt	professor of physical chemistry-Cairo University-EYAS cochair	Electrochemical and Biological Behaviors of Porous Titania (TiO ₂) in Simulated Body Fluids For Implantation in Human Bodies
21	Radwa A.Elsalamony	Egypt	Associate professor at Egyptian Petroleum Research Institute (EPRI), Cairo, Egypt	Mesoporous Waste Extracted SiO ₂ -Al ₂ O ₃ Supported Ni and Ni-H ₃ PW ₁₂ O ₄₀ Catalyst for Photo-degradation of Methyl Orange Dye under UV irradiation
22	Tarek Y. Elrasasi	Egypt	Lecturer of Physics-Benha University-Egypt	Smart Materials and the Revolution of the Human Consciousness
	Anke Klinger	Germany	German University at Cairo	Electrospun Polymer Microrobots for biomedical applications
	Frank Gunzer	Germany		Comparison for different numerical techniques to simulate the performance of photonic crystal gas sensors
	Ahmed Abd ElAziz	Egypt		From micro- to nano- structure materials: processes, properties and applications

Tack III- Sustainable development-gender issues-21-3-2017

No	Name	Country	Affiliation	Lecture
1	Hamdy Atef	Egy-Italy	emeritus professor in Water Resources Management, CIHEAM/Mediterranean Agronomic Institute, Bari-Italy	Science and technology for development: closing the gender gap
2	Abdeslam Badre	Morocco	associate professor at Mohammed V University of Rabat	Gender in Science: Remaining Challenges from Education to Profession Transition in MENA Region
3	EVELYN NAMUBIRU-MWAURA	AAS-Nairobi-Kenya	Strategy and Policy Manager at African Academy for sciences (AAS)	Reducing the Gender Gap: Women in Science in Africa
4	TONNANG ZEFACK Henri	Kenya	Geo-spatial/ Data scientist - International Maize and Improvement Centre (CIMMYT)	Inter/ Trans/ Multi/ - disciplinary Research to Improve Health and Food Security: shifting from Capacity Building to Competence Development in Africa
5	Vijaya khader	India	Former Dean, Acharya .N.G.Agricultural University	INTERVENTION OF VIABLE TECHNOLOGIES FOR FOOD, HEALTH, LIVELIHOOD AND NUTRITION SECURITY
6	Sarah Kamala	India	Professor at department of Extension Education and Communication Management, Professor Jayashankar	Women and the Sustainable Development Goals (SDGs)- The Role of Self Help Groups (SGHs)

			Telangana State Agricultural University	
7	Charon Duermeijer	Netherland	Senior Director, Academic Customer Engagement, Research Solutions, Elsevier	Addressing Gender in Scientific Publishing, Author seminar
8	Tyseer Aboulnasr	Cairo	visiting professor at Nile University Cairo, Egypt	The what, why, who and how of Innovation
9	Dr Sharifah Maimunah Syed Zin FASc	Malaysia	Director of the International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC)	"Elevating STI Women Up the Executive Ladder"
10	Ms. Jana El Baba	UNESCO-Egypt	Program Specialist for Social and Human Sciences at the United Nations Educational, Scientific and Cultural Organization (UNESCO) – Cairo Office	Role of UNESCO in promoting women in science
11	Ms. Nageen Ainuddin	Pakistan	Director of Pakistan Scientific & Technological Information Center (PASTIC)-Islamabad-information Scientist by profession	Gender Gap in STEM- Pakistan as case study
12	Sachiko Hirata-Mogi	Japan	member of IdeaLab Inc., Tokyo, Japan, teaching psychology of learning and language in Meiji-Gakuin University and Senshu University	Analysis of language as a typical national characteristic feature: Japan as case study

13	Dr Daniel Nyanganyura	Zimbabwe/south Africa	Regional Director for the International Council for Science (ICSU)- Regional Office for Africa (ROA) since June 2016	Perspectives and Challenges of Women in Science in Africa – The role of ICSU and its Regional Office for Africa
14	Dr. Abdalla Alnajjar	Emirates	President of ASTF (Arab science and technology foundation)	From the bench to the market; identify the Opportunity from the Challenge
15	Ghada Amer	Egypt	Vice president of ASTF	From the bench to the market; identify the Opportunity from the Challenge
16	Ahlam Mohammed Farhan	Iraq	professor of physical chemistry-Acting Dean College of science for Women- Baghdad university	My challenging story as Iraqi woman researcher
17	Saadyiha Ahmed Dhahir	Iraq	assistant professor at chemistry department, College of science for women, Baghdad University	The challenges and difficulties faced by the researchers in Iraq
18	Heba Gaber	Egypt	EU	

Track IV- Food technology-agriculture-Veterinary medicine-21-3-2017

No	name	Country	affiliation	Lecture
1	Zakaria Fouad Fawzy	Cairo	Professor - Agriculture and Biological Research Division - National Research Centre – Egypt	Empowering Women through Climate Smart Agriculture System in Egypt and China
2	Eqbal M. A. Dauqan	Yemen/Malaysia	assistant professor, visiting scholar in UKM, Malaysia	Red Palm Oil and other Vegetable Oils for Human Health
3	Dr. Shalini S. Arya	India	Assistant Professor at Food Engineering and Technology Department- Institute of Chemical Technology, university of Mumbai	Nutritional evaluation of probiotic functional multigrain Beverage
4	Nisa Rachmania Mubarik	Indonesia	lecturer in discipline of Microbiology, at Department of Biology, Faculty of Mathematics and Natural Sciences, Bogor Agricultural University, Bogor, INDONESIA	Potential Bacteria as Biological Control and Biological Fertilizer Used in Agricultural Applications
5	Vidushi Neergheen- Bhujun	Maurituis	senior lecturer in the Department of Health Sciences and ANDI Centre for Biomedical and Biomaterials Research at the Faculty of Science of the University of Mauritius	Can non-communicable diseases be prevented: Role of functional food
6	Dr.A. Sabitha Rani	India	Head, Dept. of Botany, Osmania University College for Women (OUCW), Koti, Hyderabad	Plant Tissue Culture Technology for the Improvement of Medicinal Plants

7	Motha Satya Vani	India	Technical Officer"A'-National Center for Laboratory Animal Sciences, Indian Council of Medical Research-National Institute of Nutrition, Hyderabad	The spontaneous tumour development in Sprague Dawley/NIN hairless mutant rat
8	Mona Aly Abdel halim Abdel Rahman	Cairo	Researcher in bacteriology unit and deputy of quality manger in Reference laboratory for quality control on poultry production –Animal Health Research Institute- Dokki-Giza- Egypt	Detection of some of virulence genes in Salmonella Kentucky isolated from poultry.
9	Reem mohamed reda	Cairo	Researcher and analyst at Reference Laboratory for Veterinary Quality Control on Poultry Production (RLQP) Animal Health Research Institute(AHRI), Ministry Of Agriculture	Experimental infection of boiler chicks with Salmonella Enteritidis
10	FATMA ABD-ALLAH MOHAMED HAMADA	Aswan	Lecturer at Botany Department, Faculty of Science, Aswan University	Plants as a part of ethno-botanical tradition of the Southern and Southern-east Egyptian tribes
11	Hend K. Sorour	Cairo	researcher, internal auditor and Deputy of head unite of Bacteriology at Reference Laboratory For Veterinary Quality Control On Poultry Production (RLQP) in Animal Health Research Institute (AHRI)	Fighting important zoonotic disease for sustainable development

12	Amal Saber Owis	Cairo	Former Director of Cotton Research Institute, ARC Focal Point Coordinator for Plant Production, Agriculture Research Center	Improvement of the efficiency and effectiveness of Egyptian women in rural economic development (Women Economic Empowerment
13	Rasha Sabry	Cairo	Researcher, Plant biotechnology Department, Genetic Engineering and Biotechnology Division, National Research Center, Cairo	Improvement of Drought Tolerance in Flax (<i>Linum usitatissimum</i> L.) Using Gene Transfer
14	Mai Allam ¹	Cairo	Researcher, Biotechnology and Genetic Resources', Center of excellences for advanced sciences, National Research Centre	Genome Wide Association Mapping in Oil and Cereal Crops under Different Environmental Conditions

Track V- Environment

No	name	/country	affiliation	Lecture
1	Suzan Kholeif	Alexandria	Prof. of Marine Environment, National Institute of Oceanography and Fisheries- Alexandria	The Role of Women in Water Resources Management and Sustainable Development
2	MIMI HARYANI HASSIM	Malaysia	senior lecturer of chemical engineering at the Universiti Teknologi Malaysia (UTM), Skudai	Innovative Approaches to Estimate Fugitive Emission Rates and Occupational Air Concentrations during the Chemical Process Design Phase
3	Nova Ahmed	Bangladesh	associate professor at School of Engineering & Physical Sciences-North South University (computer science)	Research Project and Success Stories: Shonabondhu, A Solution to handle Flash Flood
4	Sherien Elagroudy	Cairo	Associate Professor of Environmental Engineering at Ain Shams University in Egypt and the founding director of the first Solid Waste Management Center of Excellence in the country	Municipal Solid Waste Management and Green Economy
5	Nour Sh. El-Gendy	Cairo	Professor, Head manager of Petroleum Biotechnology Lab., Process Development Department, Egyptian Petroleum Research Institute (EPRI)	Applications of Different Agro-Industrial Wastes in Petroleum Biotechnology

6	Oum Kalthoum Ben Hassine	Tunisia	Full Professor in Biology at University of Tunis-El-Manar	BIOLOGICAL VARIABLES IN FISHES FOR MONITORING LAGOON POLLUTION
7	Sherine Ahmed El Baradei	Cairo	Assistant Professor at Construction Engineering Department-AUC	Global Warming and Its Effects On Water Quality of the Nile River in Egypt
8	Maha Abdallah	Alexandria	professor at the Marine Pollution department and leader of the heavy metals group at the National Institute of Oceanography & Fisheries, Mediterranean Sea Branch in Egypt	Lake Maryout is a Substantiation for Environmental Destruction
9	Naglaa Farag Elsayed Soliman	Alexandria	staff member of Water Pollution and Marine Environment Lab. Accredited lab by EGAC-Institute of Graduate Studies and Research, Alexandria University	Potential impacts of climate change on the Egyptian Red Sea Environment and related economic activities

**(Annex 7)- Program of the 1st International Conference of Women in Science
Women in Science without Borders (WISWB, 21-23 March; Lectures only)**

Tuesday, March 21 st , 2017		Venue: Hilton Ramses	
8:00-9:30	Registration		
9:30-10:00	Opening Ceremony		
10:00-12:00	Opening Plenary Session		
Chairpersons: Prof. Dr. Amal Amin- National Research Center, Advisory board member of EYAS-Chair of the WISWB- Egypt			
Prof. Dr. Hassan Azzazy -Co-founder of D-Kimia-LLC for innovative diagnostic solutions-AUC-Egypt			
Dr. Hayat Sindi Entrepreneur, I2 Founder and President, Diagnostics for All, Member of Scientific advisory Board of the UN, Saudi Arabia		Living Through Innovation	
Prof. Dr. Quarraisha Abdool Karim Infectious Diseases Epidemiologist and Associate Scientific Director of CAPRISA (L`Oreal Recipient 2014)-South Africa		Preventing HIV Infection in Young Women in Africa	
Dr. Rana Dajani Member of UN women Jordan advisory council and one of the most influential women scientists in the Islamic and Arab world, Jordan.		Genetic Risk Factors for Diabetes in Ethnic Populations	
Dr. Charon Duermeijer Senior Director, Academic Customer Engagement, Research Solutions, Elsevier, Netherlands		Addressing Gender in Scientific Publishing	
12:00-12:30	Break		
12:30-2:30	Parallel sessions		

WISWB Track I- (Biology-Medicine-Pharmacy)

Session 1

Cochairs: Prof. Dr. Hayat Sindi-UN Scientific Advisory Board Member-Saudi Arabia

Prof. Dr. Mohamed Farag- Professor at faculty of pharmacy-Cairo University-Egypt, advisory board member of EYAS

Prof. Dr. Nadia I. Zakhary Professor of Medical Biochemistry, National Cancer Institute, Cairo University Former Minister of Scientific Research-Egypt	Application of Molecular Biology for Breast Cancer Diagnosis, Prognosis and Treatment
Prof. Dr. Hassan Azzazy Professor of chemistry at the American University in Cairo (AUC), Co-founder of D-Kimia-LLC for innovative diagnostic solutions-AUC- Egypt	Converting BioNanotech Research Data into Medical Products: The Tales of Two Startups
Prof. Dr. Bo Yu Deputy director CAS-TWAS Centre of Excellence for Biotechnology-China	Microbial Synthesis of High-Value Plant Secondary Products: Bio-Resource Mining and Protein Engineering
Dr. Patricia Zancan Associate Professor- Faculty of Pharmacy, Federal University of Rio de Janeiro (UFRJ), Brazil, Co-Chair of the TWAS Young Affiliates Network (TYAN)	Tumor Biology: Targets and Drugs.
Dr. Rym Kefi Associate Professor, Institute of Pasteur of Tunisia, Team leader in the Laboratory of Biomedical Genomics and Oncogenetics, Tunisia.	DNA Typing for Genetic Diseases Investigation and Human Identification: Role of Women Scientists
Dr. Smita C. Pawar Assistant Professor, Department of Genetics & Biotechnology Osmania University, Hyderabad ,India	Cloning and Evaluation of NC1a6 and its Partial Peptides (N-ter and C-ter) Role in Tumor Angiogenesis
Dr. Maria Augusta Arruda Cell Signaling Research Group at the University of	Transatlantic Collaboration in Drug Discovery: Soft Power in a Hard

Nottingham, UK, (L`Oreal recipient 2008)	Science World
<p align="center">WISWB Track II (Materials-Engineering-Energy) Session 1</p> <p>Cochairs: Prof. Dr. Bahaa El-Gendy, Professor of Bio-Organic Chemistry, Benha University (EYAS Co-Chair)</p> <p>Prof. Dr. Sherein Elagroudy, Director of Solid Waste Management Center, Ain Shams University, Egypt, Advisory board member of EYAS</p>	
<p>Prof. Dr. Chong Kok-Keong Professor at University Tunku Abdul Rahman, Malaysia</p>	Research and Development of Solar Energy in Developing Countries
<p>Prof. Dr. Ahmed Abd El-Moneim Professor of Materials Science and Engineering, Egypt-Japan University of Science and Technology, Egypt</p>	Planar and Vertically Aligned Grapheme for Future Energy Storage Application
<p>Prof. Dr. Muhammad Akhyar Farrukh Associate Professor, Founding Director Of Nano-Chemistry Laboratory, GC University Lahore-Pakistan</p>	Nanotechnology: a New Paradigm for Integrating Scientists Across Disciplines Towards Sustainable Development
<p>Prof. Dr. Salma M. Z. Al-Kindy The Dean of the College of Science, and a Professor of Analytical Chemistry at Department of Chemistry, Sultan Qaboos University (SQU)</p>	Miniaturized "Green" analytical systems and nanostructured materials for environmental remediation
<p>Prof. Dr. Nageh Allam Director of the Energy Materials Laboratory at the American University in Cairo-Egypt</p>	Earth-Abundant Nanostructured Materials for Efficient Solar Energy Conversion
<p>Prof. Dr. Razika ZAIR TALA-IGHIL Associate Professor at Institute of Electronic & Electrical Engineering University M'hamed</p>	Nanotechnology for clean Environment and Renewable Energy

Bougara Boumerdes, Algeria	
Prof. Dr. Ahmed Saad Director of Center for Environmental and Smart Technology, Fayoum University-Egypt	High Performance and stimuli-responsive Patterned Water Desalination Membranes
2:30- 3:30	Break
3:30- 4:45	Open Session for All Participants
WISWB Track III [Gender Issues-Sustainable Development-Innovation] Session 1 Cochairs: Prof. Dr. Rana Dajani, UN Women Jordan advisory board member- Jordan Prof. Dr. Abu Elnasr Sobeih-Associate Professor at Faculty of Tourism, Helwan University- Egypt, EYAS member	
Dr. Daniel Nyanganyura Regional Director of the International Council for Science (ICSU), Regional Office for Africa (ROA)-South Africa	Perspectives and Challenges of Women in Science in Africa – The Role of ICSU and its Regional Office for Africa
Dr. Evelyn Namubiru-Mwaura Strategy and Policy Manager at African Academy for sciences (AAS)-Kenya	Reducing the Gender Gap: Women in Science in Africa
Dr. Sharifah Maimunah Syed Zin FASc Director of the International Science, Technology and Innovation Centre for South- South Cooperation (ISTIC)-Malaysia	"Elevating STI Women Up the Executive Ladder"
Ms. Jana El Baba Program Specialist for Social and Human Sciences at the United Nations Educational, Scientific and Cultural Organization (UNESCO), Cairo Office	Role of UNESCO in promoting women in science
Dr. Heba Gaber The research and innovation regional officer at	Support for women in science-EU Experience

the European Union Delegation to Egypt	
4:30-6:30: Students` Activities/competition Session (Education) (With the members of the scientific board and the audience)	
Wednesday, March 22nd, 2017 Venue: El Salam Theatre/ Academy of Scientific Research & Technology (ASRT)	
9:00-10:30	Elsevier Author Seminar –moderated by Elsevier and WISWB staff Dr. Charon Duermeijer Senior Director, Academic Customer Engagement, Research Solutions, Elsevier
10.30-11.00	Break
11:00-1:30	Parallel sessions
WISWB Track I (Medicine-Biology-Pharmacy) Session 2 Chairpersons: Prof. Dr. Quarraisha Abdool Karim-Associate Director of CAPRISA-South Africa Prof. Dr. Bo Yu, Deputy Director, CAS-TWAS Centre of Excellence for Biotechnology, China	
Dr. Shamsun Nahar Khan Associate Professor and Chair, Department of Pharmacy, East West University, Dhaka, Bangladesh	Excitement in Chemical and Biological Sciences: Drug Discovery and Development
Prof. Dr. Mohamed Farag Professor, Faculty of Pharmacy, Cairo University, Egypt, Alexander von Humboldt Fellow, EYAS advisory board member.	Metabolomics gateway for milestone discoveries in the post genomic era
Dr. Mahmoud Elsabahy Director of the Assiut International Center of Nanomedicine- Assiut University, Egypt, EYAS	Towards Successful Development of Pharmaceutical Industry in Egypt

member	
Dr. Anke Klingner Faculty of Engineering and Materials Science, German University at Cairo, Egypt	Electrospun Polymer Microrobots for biomedical applications
Dr. Amani Elfeki Associate Professor, Department of Anatomy, Faculty of Medicine, National University, Khartoum, Sudan	Recent diagnosis of schizophrenia depending on the abnormality of subcortical structures
Dr. Wegdan Mohammed Mustafa Assistant Professor, Anatomy Department, National University-Sudan	A New Approach for the Quantitative Evaluation of the Frontal Lobe Structures Depending on Age and Sex
Dr. Fatimah S. Alhamlan Scientist & Assistant Professor, department of Infection and Immunity, King Faisal Specialist Hospital, Alfaisal University, Riyadh, Saudi Arabia	Women in Science, Are we there yet?
Dr. Kodali Vijayanthimala Director in S.N.C for Women Studies	Diabetes and its control –Role of Diet and exercise
Dr. Ejidike Peter Postdoctoral Candidate at Vaal University of Technology, Faculty of Computer and Applied Sciences, South Africa	In vitro Antioxidant and Anticancer Studies of Heterocyclic Schiff Base Ruthenium (III) Complexes: Synthesis and Characterization
WISWB Track II (Materials-Engineering-Energy) Session 2 Chairpersons: Prof. Dr. Muhammad Akhyar Farrukh-founding director of nanochemistry lab., GC University-Pakistan Prof. Dr. Salma M. Z. Al-Kindy, the Dean of the College of Science, Sultan Qaboos University (SQU)	
Prof. Dr. Tarek M. Madkour Professor of Physical Chemistry, Department of Chemistry, American University in Cairo	Development of biodegradable nanoporous polymeric membranes for removal of suspended micro- contaminants from industrial wastewater

Dr. Tabassum Mumtaz Principal Scientific officer at Bangladesh Atomic Energy Commission (BAEC)-Bangladesh.	Biodegradable Plastic Research Initiatives in Bangladesh: Primary Isolation and Screening of Polyhydroxybutyrate (PHB) Producing Bacteria from Compost Samples
Dr. Sonali Das Principal Researcher, Advanced Mathematical Modelling Competence Area, CSIR Modeling and Digital Science, Pretoria, South Africa	Quantifying human gait measurements using novel statistical approach
Prof. Dr. Yehia Abdel-Aziz Professor of Space Flight Dynamics and Control at Space Research Laboratory, NRIAG, Egypt	Spacecraft Environments interactions Engineering
Dr. Ojokoh Bolanle Adefowoke Senior Lecturer, Industrial Mathematics and Computer Science Department of the Federal University of Technology, Akure (FUTA), Nigeria	A Trigram Hidden Markov Model for Metadata Extraction from heterogeneous references
Dr. Mary Ajimegoh Awotunde Lecturer II, Mechanical Engineering Department, University of Benin- Nigeria	Pre-strain Effects on Fracture behavior of Steel used for Car Manufacture
Prof. Dr. Frank Gunzer Associate professor, Electronics Engineering Department, German University at Cairo (GUC)	Comparison for different numerical techniques to simulate the performance of photonic crystal gas sensors
Prof. Dr. Ehab Abdel-Rahman Interim Provost of American University in Cairo (AUC), Professor at the Department of Physics-the American University in Cairo, Egypt	Thermoacoustic Engines and Refrigerators
WISWB Track IV- (Food Technology – Agriculture-Veterinary Medicine) Session 1 Cochairs: Prof. Dr. Ahmed Mohamed Magdy Gabr- plant biotechnology-NRC-Egypt Dr. Tonnang Zefack Henri-- International Maize and Improvement Centre (CIMMYT)-Kenya	

Dr. Eqbal M. A. Dauqan Assistant Professor, Visiting Scholar in UKM, Malaysia	Red Palm Oil and other Vegetable Oils for Human Health
Dr. Shalini S. Arya Assistant Professor at Food Engineering and Technology Department, Institute of Chemical Technology, University of Mumbai, India	Nutritional Evaluation of Probiotic Functional Multigrain Beverage
Dr. Vidushi Neergheen-Bhujun Senior Lecturer, Department of Health Sciences, Faculty of Science, University of Mauritius, Mauritius	Can Non-Communicable Diseases Be Prevented: Role of Functional Food
Prof. Dr. Zakaria Fouad Fawzy Professor - Agriculture and Biological Research Division - National Research Centre – Egypt	Empowering Women through Climate Smart Agriculture System in Egypt and China
Dr. Motha Satya Vani Technical Officer "A", Indian Council of Medical Research, National Institute of Nutrition, Hyderabad-India	The Spontaneous Tumor Development in Sprague Dawley/NIN Hairless Mutant Rat
Dr. A. Sabitha Rani Head of the Department of Botany, Osmania University College for Women (OUCW), Koti, Hyderabad-India	Plant Tissue Culture Technology for the Improvement of Medicinal Plants
Prof. Dr. Amal Saber Owis Former Director of Cotton Research Institute, Focal Point Coordinator for Plant Production, Agriculture Research Center, Egypt	Improvement of the efficiency and effectiveness of Egyptian women in rural economic development (Women Economic Empowerment)
Dr. Mai Allam Biotechnology and Genetic Resources', Center of excellences for advanced sciences, National Research Centre, Cairo, Egypt	Genome Wide Association Mapping in Oil and Cereal Crops under Different Environmental Conditions
Dr. Rasha Sabry Plant biotechnology Department, Genetic	Improvement of Drought Tolerance in Flax (Linum usitatissimum L.) Using

Engineering and Biotechnology Division, National Research Center, Cairo, Egypt	Gene Transfer
<p align="center">Track V (Environment) Session 1</p> <p>Cochairs: Prof. Dr. Rabab Elsherif, Professor of Physical Chemistry, Cairo University, Egypt, EYAS cochair</p> <p>Prof. Dr. Chong Kok-Keong, Professor at Tunku Abdul Rahman University, Malaysia</p>	
<p>Dr. Mimi Haryani Hassim Senior Lecturer of Chemical Engineering at the Universiti Teknologi Malaysia (UTM)-Malaysia</p>	Innovative Approaches to Estimate Fugitive Emission Rates and Occupational Air Concentrations during the Chemical Process Design Phase
<p>Prof. Dr. Sherien Elagroudy Associate Professor of Environmental Engineering, Founding Director of the Solid Waste Management Center, Egypt (L'Oreal recipient 2013).</p>	Municipal Solid Waste Management and Green Economy
<p>Dr. Nova Ahmed Associate Professor at School of Engineering & Physical Sciences-North South University (computer science). Bangladesh</p>	Research Project and Success Stories: Shonabondhu, A Solution to handle Flash Flood
<p>Prof. Dr. Nour El-Gendy Professor and Head Manager of Petroleum Biotechnology Lab., Egyptian Petroleum Research Institute (EPRI), Egypt</p>	Applications of Different Agro-Industrial Wastes in Petroleum Biotechnology
<p>Prof. Dr. Oum Kalthoum Ben Hassine Professor of Biology at University of Tunis-El-Manar, Tunisia.</p>	Biological Variables in Fishes for Monitoring Lagoon Pollution
<p>Prof. Dr. Sherine Ahmed El Baradei Assistant Professor at Construction Engineering Department-AUC- Egypt</p>	Global Warming and Its Effects On Water Quality of the Nile River in Egypt
Prof. Dr. Suzan Kholeif	The Role of Women in Water

Prof. of Marine Environment, National Institute of Oceanography and Fisheries, Alexandria, Egypt		Resources Management and Sustainable Development
1:15-2:00	Lunch/Poster Session	
2:00-4:00	Open Session for All WISWB Participants	
WISWB Track III- Gender Issues-Sustainable Development-Innovation		
Session 2		
Cochairs: Dr. Sharifah Maimunah Syed Zin-Director of ISTIC-Malaysia		
Prof. Dr. Tyseer Abouelnassr, Nile University, Egypt		
Dr. Abdeslam Badre Associate professor at Mohammed V University of Rabat-Morocco		Gender in Science: Remaining Challenges from Education to Profession Transition in MENA Region
Dr. Tonnang Zefack Henri Geo-spatial/ Data scientist – International Maize and Improvement Centre (CIMMYT)-Kenya		Inter/ Trans/ Multi/ - disciplinary Research to Improve Health and Food Security: shifting from Capacity Building to Competence Development in Africa
Prof. Dr. Vijaya Khader Former Dean, Acharya .N. G. Agricultural University, India		Intervention of viable technologies for food, health, livelihood and nutrition security
Ms. Nageen Ainuddin Director of Pakistan Scientific & Technological Information Center (PASTIC)-Islamabad-Pakistan		Gender Gap in STEM- Pakistan as case study
Dr. Sachiko Hirata-Mogi Member of IdeaLab Inc., Tokyo, Japan, Teaching Psychology of Learning and Language In Meiji-Gakuin University and Senshu University, Japan		Analysis of Language as a Typical National Characteristic Feature: Japan as Case Study
Prof.Dr. Hamdy Atef Professor Emeritus of Water Resources Management, CIHEAM/Mediterranean Agronomic Institute, Bari,		Science and Technology for Development: Closing the Gender Gap

Italy	
4:30-6:30: Students` Activities/competition Session Environment/Food Renewable Energy Health	
Thursday, March 23rd, 2017 Venue: Academy of Scientific Research & Technology (ASRT)	
9:30-10:30 Innovation session Cochairs: Prof. Dr. Amal Amin- Advisory Board Member of EYAS-Chair of the WISWB Prof. Dr. Hamdy Atef, Professor of Water Resources Management, CIHEAM/Mediterranean Agronomic Institute, Italy	
Prof. Dr. Tyseer Aboulnasr visiting professor at Nile University Cairo, Egypt	The What, Why, Who and How of Innovation
Prof. Dr. Abdalla Alnajjar President of ASTF (Arab Science and Technology Foundation)	From the Bench to the Market; Identify the Opportunity from the Challenge
Prof. Dr. Ghada Amer Vice President of ASTF	From the Bench to the Market; Identify the Opportunity from the Challenge
10:30- 11:00	Break
11:00- 1:15	Parallel Sessions
WISWB Track I (Biology-Medicine-Pharmacy) Session 3 Cochairs: Prof. Dr. Sameh Sorrow-Head of Biochemistry and molecular biology department-Helwan University Prof. Dr. Gina Elfeky-Pharmacy Program Leader-Faculty of pharmacy- MSA- Egypt	
Dr. Hoda Yousry Abdallah Ibrahim Lecturer of Medical Genetics and Coordinator of	Updates in Cancer Epigenetics

the Molecular Biology Unit- Faculty of Medicine, Suez Canal University-Egypt	
Dr. Alaa Abouelfetouh Associate Professor of Microbiology, Faculty of Pharmacy, Alexandria University-Egypt	Treating methicillin resistant staphylococcal infections in Alexandria, Egypt with Fusidic Acid: Where we Stand and How to Go Far?
Prof. Dr. Laila M. Montaser Professor of Clinical Pathology and Hematology, School of Medicine, Menoufia University-Egypt	How Plasma Concentrate and Stem Cells for Stem Cell-Based Tissue Engineering Could Contribute to Articular Cartilage Tissue Regeneration
Prof. Dr. Ebtehal El-Demerdash Head of Pharmacology & Toxicology Department Faculty of Pharmacy, Ain Shams University- Egypt	Successful Story of Joint Research between Ain Shams University (Egypt) and Pretoria University (South Africa)
Prof. Dr. Mohamed Salama Director of the Medical Experimental Research Center (MERC), Mansoura University-Egypt	Environment Gene Interaction in Egyptian Parkinson's Disease Patients
Dr. Lamees Hegazy CEO and Founder of Avisina Group- Egypt	In Silico Virtual Screening and Free Energy Calculations for Discovery of Anti-Zika Virus Drugs
Prof. Dr. May Talib Flayyih Professor in the Department of Biology; College of Science; University of Baghdad- Iraq	Evaluation of Virulence Factors and Vancomycin- Resistant of Multidrug Resistant Enterococcus Faecalis by Polymerase Chain Reaction (PCR) Technique
Dr. Amani Abdel Fattah Bayoumi Lecturer of Forensic & Clinical Toxicology, Faculty of Medicine, Cairo university-Egypt	Discrimination Against Egyptian Women in Certain Professional & Social Fields
WISWB Track II (Materials-Engineering-Energy) Session 3 Cochairs: Prof. Dr. Yehia Abd Elaziz-Professor at Space Research Lab, Egypt	

Prof. Dr. Nermine Elsayed Maysour, Professor of Polymer Chemistry, Egyptian Petroleum Research Institute, Egypt	
Prof. Dr. Usama F. Kandil Director of Polymer Nanocomposites Center, Egyptian Petroleum Research Institute (EPRI), Cairo, Egypt	Nanoparticles Toughened Epoxy for Energy Absorbing Composites
Prof. Dr. Ahmed Radwan IEEE senior Member, Director of Nano- electronics Integrated Systems Center (NISC), Nile University, Egypt	On the Recent Simple Image Encryption Systems
Dr. Eslam Soliman Lecturer of Civil Engineering, Faculty of Engineering, Assiut University, Egypt	Development of CNTs Polymer Nanocomposites for Sustainable Infrastructures
Prof. Dr. Bahaa El-Dien M. El-Gendy Professor of Bio-Organic Chemistry, Benha University, Egypt (EYAS Co-Chair)	Starving Cancer Cells to Death
Dr. Ahmed Abd El Aziz Vice Dean for student affairs, Faculty of Engineering and Materials Science	From micro- to nano- structure materials: processes, properties and applications
Prof. Dr. Rabab Elsherif Professor of Physical Chemistry, Cairo University, Egypt (EYAS cochair)	Electrochemical and Biological Behaviors of Porous Titania (TiO ₂) in Simulated Body Fluids For Implantation in Human Bodies
Dr. Tarek Y. Elrasasi Lecturer of Physics-Benha University-Egypt	Smart Materials and the Revolution of the Human Consciousness
Prof. Dr. Radwa A.Elsalamony Associate professor at Egyptian Petroleum Research Institute (EPRI), Cairo, Egypt	Mesoporous Waste Extracted SiO ₂ -Al ₂ O ₃ Supported Ni and Ni-H ₃ PW ₁₂ O ₄₀ Catalyst for Photo-degradation of Methyl Orange Dye under UV irradiation
Dr. Khulood Abid Saleh	Economical Method to Improve the

Professor of Physical Chemistry and Acting Dean of College of Science for Women, Baghdad University, Baghdad, Iraq	Corrosion Resistance of Metal Substrates
1:15-2.00	Lunch/Poster Session
2:00– 5:00 Students` Activities Session (Health-Renewable Energy-Environment)	
5:00-6:00	Closing Ceremony and Students Awards

All titles of the submitted abstracts were mentioned at the tables of tracks and if any title was not mentioned here in the program, so, it was displayed at the poster session due to time constraints because of large number of presented lectures.