



International Society of Muslim Women in Science

# "INTERNATIONAL SOCIETY OF MUSLIM WOMEN IN SCIENCE (ISMWS)"

Motto: "Stay in Science (Basic or Applied)"

Practice: "Keep some hours for our intellectual nourishment everyday."

We believe: "The more we use our brain and mind, the more beautiful we look."

- Members: ~ 433 (global) from 33 countries, with additional members belonging to ISMWS chapters

Founder & President: Dr. Sultana N. Nahar  
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Columbus, OH 43210, USA  
Established: April 2010

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## ISMWS Newsletter, December 2024

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Creator and Editor of the Newsletter: Prof. Sultana N. Nahar, Astronomy. OSU, USA, Email: [nahar.1@osu.edu](mailto:nahar.1@osu.edu)

## 1. PRESIDENT'S GREETINGS :

Dear ISMWS Members,

Assalamu alaikum and a very Happy New Year to everyone!

"May Allah bless all of us with more successes in achieving our STEM objectives and bringing peace to the earth. We can not predict where the history will place us, but we are part of the history and current advances in STEM. It is our, members of ISMWS, duty to be engaged in the STEM issues we face in life and carry out research towards inventing methods or getting new information that will solve or reduce the problems and bring progress for humanity."

- Since October 7, 2023 my mind has remained gripped by all these horrific pictures, news, cruelty on Palestinians day after day for one year and three months. So much could have been done to stop it, but the world authority has remained emotionless spectator and is helping Israel against mass protests by the citizens of the world everywhere. The situation has marred the attention needed for STEM challenges. Strangely STEM is being by Israel to kill by using AI operated target killings, mass killing, sending quadcopters, drones to destroy concrete buildings and killing people inside, robots to plant explosives in buildings and blow them out. These are in addition to bombing from air, naval base, land force.

- AI can be extremely helpful for fast advances instead of abusing it. AI can sort through huge amount of medical data to sort out the possible diagnosis. It can sort out the huge amount of sky survey data to categorize specifications of astronomical objects which will take many individuals and long time to achieve, AI can even predict with good certainty features and behavior of atomic processes from extrapolation of data that are difficult to calculate and take time. Our morals should rule AI, not our vicious minds. We must campaign for it.

- Whenever you achieve anything, please write up a short paragraph with complete bibliography and email it for the newsletter or An-Nisa for other members to know.

- Please share your mobile numbers and make a network of what's app group of ISMWS members so you can communicate with each other, preferably only when you need to individuals relevant to you. The members list file at ISMWS website has email addresses of all members which can also be used for communicate. Please help each other to make ourselves strong.

Please always make sure you are safe and taking care of yourself and others.

Pray all the best always,



Prof. Sultana N. Nahar

Founder and President of ISMWS

Astronomy, The Ohio State University, Columbus, OH 43210, USA



## 2. ISMWS ANNOUNCEMENTS, NOTICES, & CONTACTS:

- **Newsletter is available electronically** at <https://www.astronomy.ohio-state.edu/nahar.1/>
- **Submission of contributions for AN-NISA:** An-Nisa is the e-magazine that we introduced during celebration of International Women's Day (IWD) in 2022 under the Indo-US APJ Abdul Kalam STEM Education and Research Center of OSU and Aligarh Muslim University and included real stories of amazing Muslim women who are making history in the current time. You can submit your success stories, articles, poems, arts any time to be in the following year publication.

Along with your contribution, send a picture of you and complete information of your current subject area, position and affiliation address, location to be included in the magazine. Please make the story/ies concise.

- An-Nisa has been approved for publication under Ohio State University's "Knowledge Bank"

- **Nomination for Recognition:** We recognize members at IWD celebration. Please submit nomination for recognition for yourself or someone else with i) a tentative citation, ii) paragraph for reason of recognition, and iii) CV to Dr. Hala at [hala.noman@gmail.com](mailto:hala.noman@gmail.com) and me at [nahar.1@osu.edu](mailto:nahar.1@osu.edu) to be announced and distributed at our celebration of IWD in March.

- **Share your good news and updates with ISMWS members:**

Submit you yearly achievements in the format in the ISMWS newsletter in December to be included.

The following ISMWS members are offering volunteer service for the newsletter. ISMWS Editors:

1. Dr. Nasreen Haque. President of Intalage Inc., USA, email: [nasreen@intalage.com](mailto:nasreen@intalage.com)
2. Prof Faiza Shujat. Mathematics, Taibah University, Saudi Arabia, Email: [faiza.shujat@gmail.com](mailto:faiza.shujat@gmail.com)
3. Prof. Sultana N. Nahar, Astronomy, The Ohio State University, USA, Email: [nahar.1@osu.edu](mailto:nahar.1@osu.edu)

### NOTICES:

- We are not active in social media. However, following ISMWS members are willing to maintain social media networks and can be contacted:

- **facebook:** Dr. Rubiya Samad, Physics, Central University of Kashmir
- **Instagram:** Dr. Rubiya Samad, Physics, Central University of Kashmir
- **twitter:** i) Prof. Fatma Azmy, Dept of Mathematics, Al Azhar University  
ii) Dr. Dana Saif Akil, Dept of Physics, American University in Cairo
- **linked:** i) Prof. Fatma Azmy, Dept of Mathematics, Al Azhar University
- **website:** Prof. Sultana N. Nahar, The Ohio State University

### NOTES:

- Visit ISMWS website for news & various job & fellowship opportunities
- Invite any female, student/professional, in science to ISMWS membership
- Anyone in Physics and related to Physics, please become a member of American Physical Society (APS). It has many benefits. Free membership (not from US, Canada, Europe) form and instruction are available at

<http://www.astronomy.ohio-state.edu/~nahar/fip.html>

- Inform ISMWS whenever you change your email address. It is used for all communications
- Create an ISMWS chapter at your institute/university

- Newsletters are posted at the ISMWS website

### • NEW MEDIA SCOPE

Dr. Marium Husain, MD, MPH, an ISMWS member at the Ohio State University, has created



”Science Jummah”, a web media platform for various presentations, such as, to share stories about Muslims and their experiences with science and faith. ISMWS is collaborating with Science Jummah. To avail this scope by ISMWS, Marium has provided the following information: ”Background: Science Jummah is a platform to present and so has the rich tradition of faith and science in Islam. One method by which we do this is through creating social media reels from existing content with our collaborators. We’ve worked with Faithfully Sustainable to make social media reels from speaker content at their summit last year. Here is an example: <https://drive.google.com/file/d/1xFT5TNG-AmGyU1Z1BtSayB02XJewC3El/view>).

Proposal: Science Jummah creates social media reels for any content that ISMWS would like to share with us to help them more easily spread their work on social media, similar to the work for Faithfully Sustainable. The content belongs to ISMWS and its members. Science Jummah would just put its logo in the reels, similar to what was done for Faithfully Sustainable.

Cost: Science Jummah covers the costs of these reels.

Why: this is the intention behind Science Jummah, to help spread our rich Islamic tradition. This is my sadaqa jaariya.” Please contact:

Dr. Marium Husain, MD, MPH

The Ohio State University James Comprehensive Cancer Center Medical Oncology, Sarcoma

Email: [mariumhn@gmail.com](mailto:mariumhn@gmail.com)





### 3. ISMWS ACTIVITIES & EXPOSURES



- ISMWS expresses happiness and pride for the two members currently serving as the first female Vice Chancellors

- VC Prof. Nilofer Khan of University of Kashmir in Kashmir in India (Left pic: on right of Sultana along with past VC Prof. Andrabi in 2022) and VC Prof Naima Khatoon (Right pic: rightmost at the Women at STEM Roadshow ceremony 2018) Aligarh Muslim University in U.P. in India

- **Celebration of International Women's Day (IWD) on March 30, 2024:** We celebrated IWD through a half day symposium organized by the Indo-US APJAK STEM Education and Research Center of the Ohio State University and Aligarh Muslim University, and International Society of Muslim Women in Science. It was held on a hybrid platform with in-person participants from Aligarh Muslim University. In addition to Prof. Tauheed Ahmad and Prof. Sultana N Nahar, a great help came from ISMWS member at AMU Dr. Samima Khatun of Chemistry and her husband Dr. Tahasin Mondal at AMU.

It started with Quran telawat followed by lectures. and speeches by STEM Center directors and co-directors, and guest faculty members. The program included participants from 9 countries. Vice Chancellor Prof. Nilofer Khan of University of Kashmir was the Chief Guest along with three guests of honor. Participating high school competed with their STEM arts.

- Seventeen women in STEM were recognized under "Pioneer Woman" (life time), "Inspiring woman" (successful with odds) and "Rising Star" (students with high prospects) through nominations. Some details will be given in magazine An-Nisa.

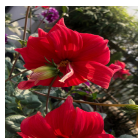
- **Prof. Faiza Shujat, Dept Mathematics, Taibah University, Saudi Arabia** - Preparing to open the ISMWS chapter for MADINAH women in Science

- **Mennatallah Salem Abumusleh, Port Said University, Egypt:** She receives ISMWS scholarship for academic excellence from ISMWS president Prof. Sultana N Nahar

- **ISMWS sponsored 8 best presenters**, 4 females and 4 males, in basic and applied sciences with plaques and honorarium at the 6th International Conference on Molecular Modeling and Spectroscopy (ICMMS6) organized by the National Research Center in Cairo, Egypt during December 2-5, 2024. ISMWS member Prof. Hanan Gouda Elhaes of Ain Shams University was the coordinator of ICMMS-6.

- **OSU Middle East Studies gave an official appreciation to Sultana N Nahar** for her work by its Director, 2024.

- She i) was featured as a "Women of Wisdom" by EEE-PNU Student Branch of Princess Norah University of Saudi Arabia to celebrate International Women's Day and Women's History month March, ii) made a public invited presentation "MY CAREER: A SCIENTIST" at KIPP Columbus Elementary School in Ohio at its celebration of the "Women's History Month" in March 2024.

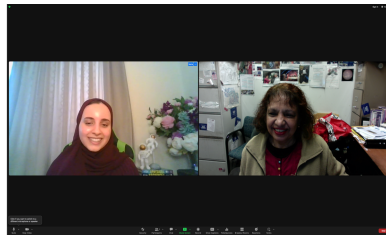


## 4. COLLABORATION AND NETWORKING IN ISMWS



i) Advertised flyer, ii) public lecture, iii) Recognition of Dr. Hashima Hasan

• **Chapter ISMWS at Ohio State brought well known NASA scientist and ISMWS member Dr. Hashima Hasan** for a public lecture on NASA missions and a visiting scientist of the Astronomy Department in January, 2024. She was also recognized for her contributions in space study.



Meeting of Lana and Sultana

• **Member Lana Alabbasi from King Abdulaziz University in Saudi Arabia, introduced the mentorship program** for research experiences for high school students in Saudi Arabia under Falak Foundation and became the founding Director of the program. From the whole country pool, 14 students were selected under the program. Lana involved Sultana N Nahar in to the mentorship program that ran during August - December 2024.



Farah, Afifa, Sultana

• **Members Farah Naaz and Afifa Jamal** of Aligarh Muslim University, in collaboration with Sultana Nahar, applied for "Women in Physics" grant for promoting women in physics to American Physical Society (APS) and APS awarded them with the grant.

• **Dr. Nafisa Yaqub (Afghanistan, USA), Independent researcher:**

She did her Ph.D. at King Saud University in Saudi Arabia. This kept her away from the turmoil in Afghanistan where education system has been weak. She moved to USA and became a member of ISMWS. She is confident and sincere, the components needed for a scientist. She also took the research based course I deliver and did very well. I was part of effort for to get work permit in the US. On September 2, she wrote "I wanted to share the good news that, insha'Allah, I will receive my work authorization at the beginning of October 2024. I'm reaching out to ask if you know of any research groups in California, particularly in Sacramento, that I could potentially join. I'm also open to remote work opportunities." Any opportunity for Nafisa will be greatly appreciated.



## 5. HIGHLIGHTS & SUCCESSES OF OUR MEMBERS

Our hearty congratulations on the achievements and prayers for the continued success of ISMWS members:

- **Prof. Bushra Ateeq, Biotechnology, IIT-Kanpur, India**

She has been awarded with a 2024 prize of Health and Medical Sciences by the World Academy of Sciences.

- Since June 2024, she has also been serving as Dean of International Relations at IIT Kanpur.

- **Prof. Faiza Shujat, Dept Mathematics, Taibah University, Saudi Arabia**

1. Joined the Editorial board for the Journal of Basic & Applied Sciences, Australia.

2. Joined the Editorial board for the journal VL Journal of Applied Mathematics, India

- **Prof. Fatma Azmy, Al Azhar University, Cairo, Egypt:**

- She is serving as a visiting Assistant Professor of Mathematics at Ohio University, Athens, USA. She spent one night at Sultana before going to Athens.

- **Prof. Hanan Gauda, Physics, Ain Shams University-Women section, Egypt and Prof. Sultana N. Nahar, Astronomy, The Ohio State University, USA** were recognized with ISMWS Award for "the best quality research and leadership activities" by the 6th International Conference on Molecular Modeling and Spectroscopy organized by the National Research Centre in Cairo, Egypt held during Dec 2-5, 2024



- **Dr. Hashima Hasan, NASA Headquarters, DC, USA:** Reports "Dr. Hashima Hasan was an invited guest as a representative of NASA, at the annual iftar event of the Muslim Americans in Public Service (MAPS) at Washington DC on March 23, 2024. She joined other panelists, Hon. Dilawar Syed, Hon. Dr. Shereef Elnahal, Hon. Rep. Abraham Aiyash, Laila ElGohary, Hon. Judge Rashad Hauter, to address the almost 400 members and guests who attended. The moderator Maryum Saifee, skilfully guided the discussion. The panelists focused on challenges they had faced to rise to the top in their careers, provided their view of public service, and their advice to the rising stars in the audience." (picture above)

- **Prof. Hina Younus, Biotechnology, Aligarh Muslim University, India:**

- "I have been appointed as Coordinator, Interdisciplinary Biotechnology Unit, Aligarh Muslim University on 21/03/2024 for a period of three years.

- Eight students have completed their Ph.D under my supervision and four are currently doing. I have published total 94 research/review papers in high impact journals of repute, with 7 papers published in 2024. I have successfully completed 3 research projects and have 1 patent to my credit.

- I am an editorial board member of 8 journals, including Scientific Reports (Nature)"

- **Lana Alabbasi, King Abdulaziz University, Jeddah, Saudi Arabia:**

- Awarded the Rhodes Scholarship as one of two Saudi nationals selected annually, providing three years of full funding for postgraduate studies at Oxford University (<https://www.arabnews.com/node/2577881/corporate-news>)

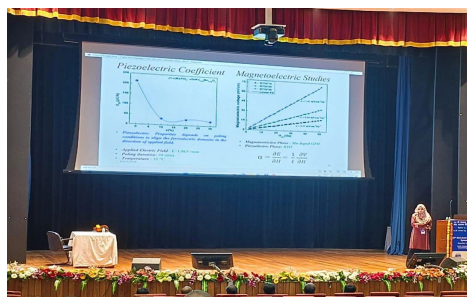


## 5. HIGHLIGHTS & SUCCESSES ... continues

- Completed the LIGO Summer Research Fellowship at Caltech as one of 25 students globally, conducting advanced research on binary neutron star mergers, which I presented at the LIGO SURF final presentations.
- Directed the Falak Research Program, mentoring students, organizing workshops, and supporting their progression to the National Olympiad for Scientific Research.
- Moderated panels and organized programs with Metavisionaries, connecting global space leaders and young scientists.
- Received the Rising Star Award at the Ohio State University International Women's Symposium for supporting Muslim women in STEM.
- Won First Place and Best Published Paper at King Abdulaziz University's 15th Research Forum for work on quark-gluon plasma.
- Named a Cambridge Future Scholar, completing a research course on stellar physics and collaborating with a Stephen Hawking Fellow at Oxford on black-body radiation simulations, supported by a STEM scholarship.

● **Mahbuba Aktary, MS Student, Materials Science and Engineering Department, King Fahd University of Petroleum and Minerals, Saudi Arabia**

- 5th place in Early Career Research Competition: MS Poster, KFUPM Research Forum 2024, Poster Title: Utilizing Waste: Potassium-Enhanced Red Mud as a High-Performance Catalyst for CO<sub>2</sub> Hydrogenation into Olefins
- Rising Star" Award on International Women Day 2024, The Ohio State University, USA, Aligarh Muslim University, India, 2024; for contributing to Science Field



L: Dr. Mehroosh presents at Bhabha Atomic Research Centre, Dept of Atomic Energy, India, 2024. R: Mehroosh, Sultana, Nilam at AMU, 2018.

● **Dr. Mehroosh Fetema, Aligarh Muslim University, India:**

Regarding presentation in a highly competitive conference, she wrote "Dear Sultana Ma'am, Assalamulaikum,

I'm incredibly grateful to receive your mail regarding contributions of news article and poems for ISMWS and An- Nisa magazine. I've attached a piece that had written in my diary during the lowest phases of my life... I thought it should see the light now. Hope it motivates the readers and they get courage to keep going. I had a tough life journey... its hard to even speak of it... but Alhamdulillah... I'm glad its all over now... or maybe we become strong enough to bear it with more courage Alhamdulillah. Coming to the bright side... recently I had the opportunity to present my thesis at the biggest research platforms in India, at the Bhabha Atomic Research Centre, Department of Atomic Energy, India... Only 8 researchers all over India were selected and I was the only Muslim. I felt immense gratitude to Allah... I had never ever expected that to happen... but it did. Thank you again Ma'am , for providing me with the opportunity to share my thoughts. I truly miss the time when we took your classes here at AMU... you motivated us to dream big. I wish we could meet again sometime soon Mam. May Allah bless you."

## 5. HIGHLIGHTS & SUCCESSES ... continues

- **VC Prof Naima Khatoon, Aligarh Muslim University, India:**

- She has made the history by being the first female Vice Chancellor of Aligarh Muslim University elected in 2024.

- **Dr. Rahla Naghma, Devi Ahaliya University, Indore, India**

- Wrote on Sept 5, 2024, she wrote " Happy Teacher's Day! September 5 is celebrated as Teacher's Day in India, and I would like to wish two wonderful Teachers I came across on this occasion from the core of my heart. You have been a source of inspiration for me. Your impact is profound and enduring.

- Nov 19, 2024: She wrote "I am pleased to inform you that my proposal is accepted by DST, Govt of India under the women scientist scheme." It is a very generous and prestigious grant with an opportunity to carry out part of research outside India of government of India for 3 years.

- **Dr. Safa Yousef (Yemen, Egypt), Alumna of Cairo University, Independent researcher, Egypt:**

- wrote, on April 29, 2024: " I've just attended the ISINN 30 conference in Sharm El Sheikh, Egypt, from April 14th to 18th, 2024. This gathering brought together scientists from around the globe, including representatives from Russia, China, America, and Egypt. I was thrilled to present my latest research during the conference. My presentation focused on the use of nuclear and analytical techniques in detecting heavy elements that may cause congenital effects of the fetus. The conference was a valuable opportunity to learn from other researchers and experts in the nuclear field.



- On November 4, 2024: Thank you very much for your continued support. Unfortunately I've been rejected for ICTP. I'm sorry I couldn't get back to you sooner since I was in Mexico for the 31st WiN annual conference where I conducted a workshop and met brilliant people from around the world. I just came back yesterday. Here are some pictures from the workshop. Alhamdulillah I received great feedback and people were amused with the new concepts and innovative approach."

Presentations:

1. Designing and leading a Workshop entitled "Strategic Influencing for Energy transition" at the 31st WiN Global annual conference, Mexico, 28-30 October, 2024.
2. Introduction of Problem-Based Learning, Team-Based Learning, Role Play, and Virtual Simulation in the Training of Nuclear Safeguard Inspectors and Security Officers", Conference paper, 65th INMM annual meeting proceeding, 21/07/2024 – 25/07/2024 Portland, Oregon.
3. The 30th International Seminar on Interaction of Neutrons with Nuclei (ISINN-30). Presented "Levels of heavy metals in pregnant women with fetal central nervous system anomalies using ICP-OES"

## 5. HIGHLIGHTS & SUCCESSES ... continues



• **Prof. Safia Akhtar Kazmi, Electrical Engineering, Aligarh Muslim University, India:** She is the faculty Advisor of WIE and the Coordinator at the Centre for Integrated Green and Renewable Energy. She organized Workshop: "Breaking Barriers: The Journey of Women Engineers" held on November 7, 2024 at Zakir Husain College of Engineering and Technology (ZHCET), Aligarh Muslim University which was hosted by IEEE WIE Affinity Group (picture above). This event aimed to inspire young female students to pursue engineering and overcome challenges in a traditionally male-dominated field.

• **Dr Sara I. Abdelsalam, Mathematics, The British University in Egypt, Cairo, Egypt**

Awards:

1. Prof. Attia Ashour Award 2023 from the Academy of Scientific Research and Technology, received in 2024.
2. Recognized for my role in mathematics from the Association of Egyptian Women in Mathematics in May 2024. <https://egmaths.com/?p=3016>
3. Top cited paper in Numerical Methods for Partial Differential Equations journal 2022-2023, received in 2024.

Latest membership in scholarly societies:

1. Nominated as Chairman for the North Africa Region of the African Society for Industrial and Applied Mathematics (ASIAM) in October 2024.
2. Governing council Member in the Association of Egyptian Women in Mathematics in 2024.
3. Secretary for the LIF Alumni Egypt Chapter 2024 by The Royal Academy of Engineering.
4. Ambassador for Shoman Prize in Egypt, 2024.
5. Selected as the Next Einstein Forum Ambassador for Egypt for 2023-2024.

Recent Editorial boards:

- Guest editor in the special issue "Thermal Challenges in Renewable Energy: Nanofluidic Solutions", November 2024 – August 2025. [https://www.mdpi.com/journal/nanomaterials/special\\_issues/1195MKNESR](https://www.mdpi.com/journal/nanomaterials/special_issues/1195MKNESR)
- Editorial board member in "Critical Reviews in Biomedical Engineering" journal, 2024. <https://www.begellhouse.com/journals/critical-reviews-in-biomedicalengineering/editorial.html>
- Editorial board member in "Biomedical Engineering Horizon", 2024 <https://ojs.gspublishing.uk/index.php/BMEH/about/editorialTeam>
- Editorial board member in "Discover molecules", 2024. <https://link.springer.com/journal/44345/editors>
- Editorial board member in "Nanomaterials and Application", 2024. <https://ojs.wspress.com/index.php/na/about/editorialTeam>



## 5. HIGHLIGHTS & SUCCESSES ... continues

- **Dr. Sarah Al-Shareeda (Iraq), Istanbul Technical University, Turkiye:**

- She has moved from University of Bahrain Engineering faculty position to a Research Fellow position at the The Faculty of Computer and Informatics Engineering, AI and Data Engineering Department, Istanbul Technical University, BCRG-UK, and BTS Group.

- She was also a Postdoctoral Research Fellow, Center for Automotive Research (CAR), The Ohio State University, during part of 2024

- **Dr Shadma Fatima, Medical Oncology, Ingham Institute of Applied Medical Research, NSW, Australia**

- "Last year I have been blessed with the baby daughter, in addition, please find a couple of articles which I published"

- **Zamzama Rahmany (Afghanistan) of University of Kerala, India:** Wrote about her Ph.D. defence on Sep 4, 2024: - She has completed her Ph.D. thesis and made a successful presubmission seminar at the university while taking care of 4 children by herself. Her husband is displaced in Paris due to political situation in Afghanistan.

- She has started applying for a postdoctoral position. She wrote "I would like to thank you for the recommendation letter you have given. I received a letter of recommendation from the University of Paris-Saclay, Solid State Laboratory to PAUSE fellowship that I can join for PDF in LPS. I am looking forward to get the fellowship inshallah and join for PDF." She has sent her updates as "Asalamualaikum, dear prof Nehar, I am pleased to inform you that I have completed my PhD; however, my open defense is left. I got a wonderful opportunity in France. I got a post-doctoral fellowship in the solid-state physics laboratory at the University of Paris/Saclay. I got my visa as well; I will be joining PDF by February 1st, inshallah. I want to once again thank you for your support. God bless you and your family (amen).

I am listing below my achievements in the past five years with you.

1. Published a paper in the Journal of Materials Chemistry 276 (2022) 125343 and Physics Elsevier.
2. Published a paper in the Journal of Materials Science (Materials in Electronics), Springer.
3. My 3rd paper has been accepted for publication in the Journal of Condensed Matter Physics, IOP.
4. One paper is under review in Physica B, condensed matter.
5. Two more articles are ready to be communicated for publication soon.

List of conferences attended during PhD.

1. Presented a paper at the International Conference on Nanoscience and Nanotechnology (ICONN 2021).
2. Presented a paper in Indo-South Korea-Thailand 3rd International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2023).
3. Presented a paper in "Recent Trends in Advanced Materials and Characterization Techniques" (RTMAC-2023), government college Nedumangad.
4. Presented a paper at an International conference in advanced materials, devices and technologies (ICAMDT-2023), 6-7 November 2023, Andhra Pradesh.
5. Presented a paper in the International Conference on Advances in Interdisciplinary Nanoscience (ICAINS-24), 10-12 January 2024, Government College for Women Thiruvananthapuram.
6. Presented a paper at the International Conference on Nanoscience and Nanotechnology (ICONN 2023)."

## 5. HIGHLIGHTS & SUCCESSES ... continues

- **Dr Zahra Sogand Karimzadeh, Earth Science, Iranian Research Organization for Science and Technology (IROST), Iran:**

- "I am pleased to announce to you that I recently have been employed as an assistant professor in the department of critical mineral resources, Iranian Research Organization for Science and Technology (IROST)."

- **Dr. Zeba Qadri, New York University Abu Dhabi, Physics, UAE** "Prof. Nahar I am also very happy to inform you that I have been employed at "New York University Abu Dhabi" as a Research Associate from October 2023. Thank you so much for being so inspirational and showing so much of love and support. Means a lot."



## 6. MEMBERS EARNING DEGREES:

Hearty congratulations for the graduates and pray for the successes of the next phase!

- **Alvia Farheen, Aligarh Muslim University, India:** Oct 1, 2024: Alvia wrote: "Alvia Farheenjalviashakil@gmail.com, Assalamualaikum

Dear ma'am Its been so long, I hope you are fine and doing well. I always feel so delighted when I write to you. I wish to share with you that I have successfully gained my Masters degree in Zoology. Also, I have received Sir Syed Global Scholar Award (SSGSA) 2024-25. I'm all set to pursue my PhD soon. Thank you for being a constant source of inspiration. Do keep me in your prayers. Always grateful.

Sincerely yours Alvia Farheen Aligarh Muslim University"

- **Moizza Ahmed, The Ohio State University, USA**

She graduated with Bachelor in Science and started at Ohio University medical college

● **Rimsha Shaikh, NED University of Engineering and Technology, Pakistan:** On March 6, 2024 she wrote " Dear Dr. Nahar,  
Walikum Asalam,  
I have completed my Master's and ranked 2nd in my batch. Now-a-days, I am working on United Nation Sustainability Development Goals SDG 4 & SDG 5. I am a certified sustainability leader of United People Global (UPG). The training consisted of 8 weeks intense learning. Also, I am working to publish my master's research. Many Thanks, Rimsha Shaikh "



## **7. INTRODUCTION BY NEW MEMBERS:**

**We welcome warmly and congratulate on the achievements of our new members!**



● **Nirma Siddiqui, Oak Hill Collaborative lab, USA**

I met Nimra, a software engineer working on AI, at the Ohio Supercomputer Center (OSC) symposium in 2024 where I invited her to ISMWS. She wrote "Thank you for offering me the opportunity to become a member of the esteemed International Society of Muslim Women in Science and contribute to its mission. I sincerely appreciate your trust, and I assure you of my full dedication and commitment to supporting the organization's objectives. It is an honor to be part of a platform that fosters innovation and excellence in STEM."





## 8. JOURNAL PUBLICATIONS BY ISMWS MEMBERS

### • **Mahbuba Aktary, KFUPM, Saudi Arabia:**

1. **Mahbuba Aktary**, Huda S Alghamdi, A Ajeebi, Atif Saeed AlZahrani, Mohammed Sanhoob, Md Abdul Aziz, M Nasiruzzaman Shaikh, "Hydrogenation of CO<sub>2</sub> into Value-added Chemicals Using Solid-Supported Catalysts", Chem Asian J. 2024, 19, e20230100, <https://doi.org/10.1002/asia.202301007>
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### • **Dr Shadma Fatima, Medical Oncology, Ingham Institute of Applied Medical Research, NSW, Australia**

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## 9. PROFILES OF ISMWS MEMBERS



### **”MENNATULLAH SALEM ABUMUSLEH - a student in medicine from Gaza”**

- Sultana N. Nahar

Mennatullah Salem Abumusleh is the eldest daughter of physicist Dr. Salem Abumusleh who is a high school teacher in Gaza and also the coordinator of the Ministry of Education for STEM education in high schools. Salem and I have been working together for sometime on making STEM program stronger and more enthusiastic for students and teachers in high schools, and were planning, along with few other members in the Ministry, to hold a day conference on it. Most of these ideas were coming from Dr. Salem.

Then came October 7, 2023 when Hamas found a scope and launched operation named, operation Al-Aqsa flood, under leader Yahia Sinwar, as an act of fighting back years of Israeli persecution and killings. Al Aqsa Flood was following by Israeli genocide of Palestinians and subject them to extreme suffering by blocking and destroying the humanitarian needs. All of these are still continuing as of now December 2024 and are well-known to the whole world. My time to time inquiry with Salem and members of Al-Aqsa University and Islamic University of Gaza (IUG) whether they were safe and holding on, revealed some personal information of Salem and his eldest daughter Mennatullah Salem Abumusleh. In the war bitten Gaza with daily deaths and destruction, Mennatullah appeared as an innocent flower of Gaza. She is gentle, respectful and apologize for delayed response due to her exams. I asked her to write about her for ISMWS newsletter, her naive information even with her best effort to write showed the pure simplicity that probably other young Palestinian girls like her have. She made the CV for me. It is her first CV and she learned it on her own. So I thought I would introduce her with the information she provided for representation of Palestinian young bright students

For the foremost concern, Mennatullah is safe. She moved to Egypt in 2023 to study at the medical college of Port Said University in Port Said City. She went to Al-Qarara School for Girls in Gaza for 9 years, then to Ailabon School for Girls in Gaza for 3 years before moving to Port Said University. She wrote ”I’m the oldest so I had to take care of my siblings and the house while my parents were at work, we all are tightly attached to each other, I traveled to Egypt to study medicine and to get gain knowledge to help me in the future.” She wrote that she is fast learner and problem solver, has good communication skills, and leadership qualities. To the question to say something special about her, she responded ”I enjoy expanding my knowledge through self-directed learning and engaging with different cultures, which has enhanced my ability to collaborate in diverse teams. My strong listening skills and individuality allow me to bring fresh ideas and perspectives to any environment. I am eager to embrace new challenges and continuously expand my expertise. I am passionate about learning new languages and exploring physical activities like self-defense training. While my current academic commitments are demanding, I am determined to pursue these interests when the opportunity arises and plan to integrate them into my schedule in the future.”

Regarding her family, she wrote on June 25, 2024 ”About what you’re asking about, with the current situation it’s not really easy for my father to send me anything but he always tries his best to give me whenever he could, although it might take some time but I’m trying to manage

## 9. PROFILES OF ISMWS MEMBERS

### **”MENNATULLAH SALEM ABUMUSLEH - a student in medicine ... continues”**

things with what I have. My dad might find it so difficult to give my siblings their needs with these high prices since we are a big family and that requires a lot. I understand how bad the situation is there with all the things that are happening. They always try to show that everything is good so I don't get distracted from my study but I can see what they're going through. Alhamdulillah things are going somehow well for me. I appreciate your concerns. Thanks again. Best wishes and may Allah keep you always well. Mennatallah ”

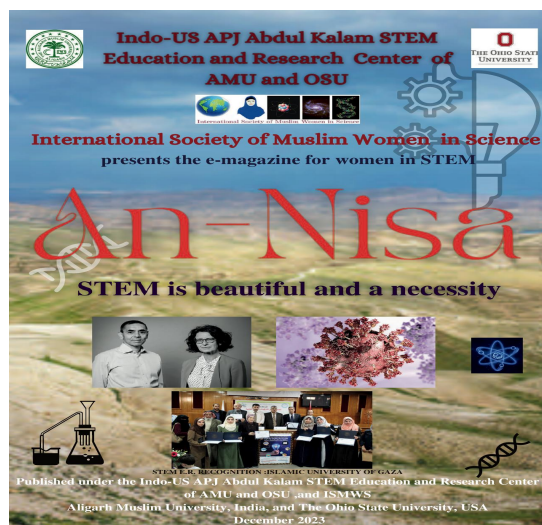




## 8. ISMWS PICTURES: 2024 and past



L: Dr. Safa visits Kazan mosque during her conference in 2024, R: Dr. Fatma Azmy of Al Azhar University and Sultana at Sultana's house before Fatma's moving to Ohio University in Athens for the year, 2024



L: An-Nisa cover 2023, R; Prof. Hanan Gauda receives ISMWS prize at the ICMMS conference, 2024



L: Prof. Lotfia El Nadi listening at conference MTPR<sup>17</sup>2014, R: Discussion on inauguration of chapter ISMWS-Karachi University with Physics Department Chaif, Pakistan, 2023