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### I. Message from the IAU Women in Astronomy Working Group Chair

Dear Colleagues,

Welcome to the 4th edition of the IAU Women in Astronomy Working Group Newsletter!

After the successful launch of the IAU WiA ‘ENSEMBLE’ quarterly magazine in Dec 2021, we are happy to share with you the January month newsletter.

In this edition you will find :

- details on the 2nd IAU WiA Training Program on ‘Essential skills in Astronomy Research’ that was organized in the month of January and *encouraging feedbacks* received from the participants
- Information about 11th Feb- International Day of Women and Girls in Science event
- call for participation for the 8th March- International Women’s Day, Survey on the impact of Covid-19 situation on the career of Astronomers, ENSEMBLE Magazine 2nd issue due in April 2022, building resource materials, fund raising, etc.

Please do not hesitate to contact us with your queries or suggestions and keep checking you spam folders to not to miss our monthly newsletters and activities planned for coming months !

We hope you will enjoy reading this edition of the Newsletter.

Happy Reading!

**Mamta Pommier (Chair)**

on behalf of the IAU Women in Astronomy WG ([iauwia2124@gmail.com](mailto:iauwia2124@gmail.com)).

## II. IAU WiA WG Training Program Series-2

The *IAU Women in Astronomy Training Program series - 2 on 'Essential Skills for Astronomy Research'* was organized from **Jan 10th-14th, 2022**, for worldwide female students and researcher in Astronomy. 112 participants (73.5% female, 25.7% male, 1% other genders) at different career stages and from 30 countries registered for the 2nd Training Program series (Fig. 1). 39% participants held permanent positions and 61% were non permanent researchers and students (45%).

The Training Program series focused on:

- Exploring solar images with visualization software JHelioviewer- Santiago Vargas Domínguez*
- Twitter for scientist (Why & how to use it)- Arianna Piccialli*
- TOPCAT- astronomy catalog matching software- Priya Hasan*

A recorded version of the Training program series is available at the-

- 1- IAU WiA WG website- <https://sites.google.com/view/iau-women-in-astronomy/home/upcoming-events-and-seminars/training-program-2?authuser=0> &
- 2- YouTube channel- <https://www.youtube.com/channel/UCViokvfBEQEWJZ0TOM2oXxQ>

The motivation of the participants to attend this Training Program series was to improve their imaging analysis, catalog handling, and research skills, as it is not offered in their coursework, acquire the skills with which they can train next generation of researchers, and create a self supporting and helpful international network of students and researchers in astronomy. A Participation certificate signed by the IAU President and the WiA WG chair and Co-Chair was provided to the attendees and the '*Best Training Program participant*' was announced at the end of the Training program.

### A summary of feedback received from these participants are as below-

*'-Thank you IAU WiA WG for the 2nd Training Program. I am glad that this 2nd program has addressed different topics.*

*-I think topics such as time management would be very useful. Also, more sessions on programming techniques (Astropy) would be very useful to be a better researcher. Unfortunately, there is a culture in our world in which men are perceived as better programmers than women, so it can be difficult to have the necessary confidence to do a good job related with programming, and those lessons are helping to solve this problem in practice.*

*-Thanks for conducting such an informative session. Looking forward for more such sessions.*

*-This entire program is an excellent initiative by the IAU WiA WG. I'm looking forward to attending more such programs organized by you in the coming future.*

*-These programs are helping us to improve our skills in research!'*

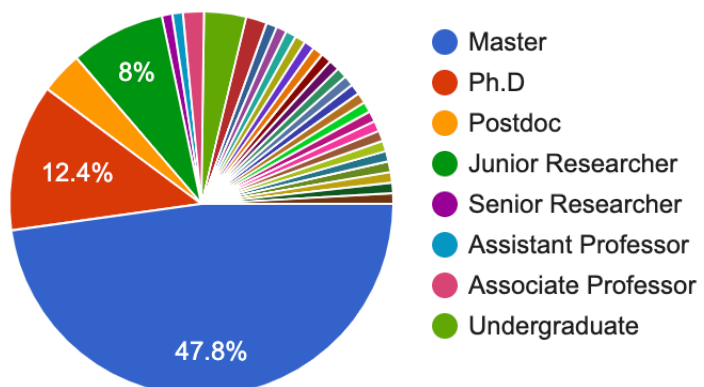


Fig. 2 Career-wise distribution of participants from all over the world for the IAU WiA Training program Series-2.

### III. Upcoming events

1. **11th Feb, 2022- IAU WiA event on the ‘International Day of Women and Girls in Science’**  
To promote young girls and women to take up STEM and Astronomy career and get inspired by the motivating Women in Astronomy- *Prof. Jocelyn Bell Burnell (U.K.) & Prof. Rohini Godbole (India)*.

The talk will be followed-up by an open discussion where attendees can ask questions to the scientists. Please register at the following link for the event -[https://docs.google.com/forms/d/e/1FAIpQLSdn2zCspePxko3\\_oI3fPJB28wCGJEifsNr3Sf-oOg5nLs3qww/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdn2zCspePxko3_oI3fPJB28wCGJEifsNr3Sf-oOg5nLs3qww/viewform?usp=sf_link)



**IAU** **Women in Astronomy Working Group** 

**International Day of Women and Girls in Science**  
11th February, 2022 10h-12h CET (UTC + 1:00 hour)

**Meet the scientists**

**Prof. Dame Susan Jocelyn Bell Burnell & Prof. Rohini Godbole**

On the International Day of Women and Girls in Science, we invite outstanding Lady Scientists who have made significant contributions in research and supported the careers of Women in Science, to share their experiences and promote women and girls in science. They stand out today as true role models for the future generation of Women Scientists. Come and join us, listen to their experiences and passion for research, ask your questions in the open discussion session, and get inspired by their career paths.

Register at [https://docs.google.com/forms/d/e/1FAIpQLSdn2zCspePxko3\\_oI3fPJB28wCGJEifsNr3Sf-oOg5nLs3qww/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdn2zCspePxko3_oI3fPJB28wCGJEifsNr3Sf-oOg5nLs3qww/viewform?usp=sf_link)

Contact email: [iauwia2124@gmail.com](mailto:iauwia2124@gmail.com)  
IAU Women in Astronomy Working Group




2. **11th February -8th March 2022- IAU WiA WG** is supporting the **African Network of Women in Astronomy (AfNWA)** outreach activities for promoting astronomy and STEM, and for inspiring our young girls in primary/secondary schools across the African continent. The IAU WiA WG has sent promotional videos as a contribution to **Mirjana Pović**, AfNWA Board Member
3. **11th February -8th March 2022- IAU WiA WG** is supporting the **Office of Astronomy Outreach (OAO)** program on ‘Women and Girls in Astronomy’- <https://www.iau.org/public/women-and-girls-in-astronomy/>. The IAU WiA WG offered all the necessary support and inputs to the program announced by the OAO communication officer Suzana Filipeck Martins
4. **11th February -8th March 2022- IAU WiA WG** is jointly organizing with the **OAO office ‘Draw an Astronomer Contest’** program on the occasion of ‘Women and Girls in Astronomy’. The IAU Executive Committee Working Group Women in Astronomy and the



Office for Astronomy Outreach invites kids up to the age of 12 to participate in the Draw an Astronomer Contest for a chance to win a telescope and share their creativity with the world! You can share a drawing, a collage, a video, a photo, or any other artwork that can be sent to us by email. You can also include text to help you tell your story. More information at <https://www.iau.org/public/women-and-girls-in-astronomy/>. Send your submission to [public@oao.iau.org](mailto:public@oao.iau.org) until **1 March 2022**. The winner will be randomly selected and contacted via email. For more information on eligibility, terms and conditions via this [document](#).

5. IAU General Assembly meeting WiA WG session at Busan, Aug 2022. Please find more information and link for the registration @Website: [http://www.iauga2022.org/program/program\\_06\\_8.asp?sMenu=abo6](http://www.iauga2022.org/program/program_06_8.asp?sMenu=abo6) & <https://iauwiaa.sciencesconf.org/>



#### **IV. Call for participation to all the WG members and National Representatives**

All WG members (Female and Male) are invited to:

1. send your contributions for the **11th Feb and 8th March events** in the following form-
  - 2 videos of 2 mins each on **promoting girls in STEM** and **Why gender balance is important in STEM fields and higher education**
  - write ups, share your story in the format - [https://docs.google.com/document/d/1Niqmjsaq\\_ybdIQRvNH4W0UtV8S691cFd/edit?usp=sharing&oid=113939343491987397960&rtpof=true&sd=true](https://docs.google.com/document/d/1Niqmjsaq_ybdIQRvNH4W0UtV8S691cFd/edit?usp=sharing&oid=113939343491987397960&rtpof=true&sd=true)
  - send a short 1-2 A4 page (rector-verso) write-up, with a photo, image, figure, etc. of the events that you are organizing in your country for *11th Feb and 8th March, 2022*

Please send your contributions by **March 15th, 2022** @ [iauwia2124@gmail.com](mailto:iauwia2124@gmail.com). We will compile all your contributions in the next issue of IAU WiA 'ENSEMBLE' Magazine and share you videos on the IAU WiA webpage and social media channels to encourage Women and Girls in STEM career and gender balance in Astronomy.

2. Participate in the 5 mins survey on **Impact of Covid-19 pandemic on the career and productivity of Astronomers**- [https://docs.google.com/forms/d/e/1FAIpQLSdjIcfp-2HkSP4FPMRH\\_xPK1xEfNSyq\\_UFATRSx\\_hwB8p-Gg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdjIcfp-2HkSP4FPMRH_xPK1xEfNSyq_UFATRSx_hwB8p-Gg/viewform?usp=sf_link)

**3. nominate a National Representative for their country to work with the IAU-WiA WG:**

Please fill in the form available at the link below, if you are interested in this role -

[https://docs.google.com/forms/d/e/1FAIpQLSfN4ZBAA-4my135pJUaKT5a5tA6KG8tOp-aVVUTqVHUnacKCg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfN4ZBAA-4my135pJUaKT5a5tA6KG8tOp-aVVUTqVHUnacKCg/viewform?usp=sf_link)

4. **participate in building resource materials:** these resource materials (plotting tool tutorials on archival data, learning kits for students, set of python or idl programs for creating plots, histograms, fitting curves, etc.) will be used for the skill development of Women in Astronomy during the training sessions.

- **Training Program/Workshop proposition-** [https://docs.google.com/forms/d/e/1FAIpQLSf8XDeOb9o2OEMDjpsGMs0wy014fJ6pYvfce7cL9ga3k8-ihw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSf8XDeOb9o2OEMDjpsGMs0wy014fJ6pYvfce7cL9ga3k8-ihw/viewform?usp=sf_link)
- **Resource Development-** [https://docs.google.com/forms/d/e/1FAIpQLSdh6v\\_BYhJs-eunUS6tM21albbK9sUHYLmnJDiweTwrPQgJKg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdh6v_BYhJs-eunUS6tM21albbK9sUHYLmnJDiweTwrPQgJKg/viewform?usp=sf_link)

5. **join the IAU WiA subgroups:** at the following link -[https://docs.google.com/forms/d/e/1FAIpQLSfN4ZBAA-4my135pJUaKT5a5tA6KG8tOp-aVVUTqVHUnacKCg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfN4ZBAA-4my135pJUaKT5a5tA6KG8tOp-aVVUTqVHUnacKCg/viewform?usp=sf_link) if you wish to participate. We will contact you soon to participate in the subgroup activities and events.

6. **fundraising:** to support the career of Women in Astronomy worldwide we request the WG members to fill in the information regarding funding requirements at - [https://docs.google.com/forms/d/e/1FAIpQLSdyqSpQkEWwQd\\_42dBSj\\_mMVfk3rmCYgCgwAZ6IQv561Mmg\\_A/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdyqSpQkEWwQd_42dBSj_mMVfk3rmCYgCgwAZ6IQv561Mmg_A/viewform?usp=sf_link)

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**V. Invitation to all the IAU members to join the WiA WG and welcome to new members**

A message to all the IAU members and readers- If you wish to join the WiA activities or would like to share any information about matters that may be relevant to the activities of the Women in Astronomy WG, then please send an e-mail to WG Chair at [iauwia2124@gmail.com](mailto:iauwia2124@gmail.com). We will address your interests, queries or contributions in the next newsletter and your achievements and difficulties faced in the working environment in the quarterly IAU-WiA *ENSEMBLE* magazine.

**New Members who joined the WG in January 2022:**

- Céline Reylé, Observatoire de Besançon, France
- Silvia Martínez-Núñez, Instituto de Física de Cantabria (CSIC-UC), Spain
- Lan Quynh NGUYEN, University of Notre Dame, Indiana (IN), United States

Welcome all, we are a team of 195 members now!

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**VI. Thank you to the IAU offices for their support to the WiA WG activities**

We thank the IAU Executive committee members and IAU offices - OAO, OAD, OYA, OAE, and the IAU Junior Member WG for their invaluable support to the IAU WiA WG activities!

Best regards,

Mamta Pommier (Chair)

on behalf of the IAU Women in Astronomy WG