



INDIAN WOMEN SCIENTISTS' ASSOCIATION



Celebrating 50 years of Science for Society

Registered NGO: Societies Reg. Act 1860
Regd. No. BOM 193/73 GBBSD dt. 13/6/73
BOM Public Trust Act 1950
Regd. No. F-2931 (Bom) dt. 19/7/73

NITI Aayog UNIQUE ID:
MH/2017/0173875



INDIAN WOMEN SCIENTISTS' ASSOCIATION

Who we are

Indian Women Scientists' Association (IWSA) is a representative body for women working in natural, physical and applied sciences, and is a social welfare, non-political, non-profit NGO. Registered in 1973, IWSA was started by a group of twelve young committed women, scientists, engineers, and from other disciplines. Today, we have about 2100 members in different parts of the country.



IWSA has eleven branches with its headquarters in Vashi, Navi Mumbai (<https://iwsa.net>). Our branches are in: Roorkee (1979), Hyderabad (1979), Pune (1980), Nagpur (1982), Kolhapur (1982), Delhi (1987), Kalpakkam (1987), Baroda (1988), Amaravati (2010), Bengaluru (2018), and Nellore (2018).



What we stand for

At IWSA, our mandate is:

- To take science to the masses
- To develop scientific temper in society by disseminating scientific knowledge through lectures, seminars, exhibitions, and workshops
- To promote accomplishments in Science and Technology among women
- To understand socio-economic issues of working women and empower them by providing knowledge and experience



What we do

Our main activities include:

- Community Welfare Programs
- Science Awareness Programs
- Green Initiatives



COMMUNITY WELFARE PROGRAMS

IWSA's Jitendra Mafatlal Mehta and Shree Mahalaxmi Temple Charities Wing -- Working Women's Hostel

To provide clean, hygienic, safe and secure accommodation to working women/students coming to Mumbai from different parts of India.

The accommodation is open to women from the ages 18-60 years, earning a gross salary of Rs. 10,000 to Rs. 50,000 per month.

The Hostel has:

- 160-beds, safe haven--Home Away from Home
- In-house mess
- Recreation room with TV and newspapers
- WiFi connection and 24 hr CCTV monitoring
- Beautiful garden and badminton court
- Easy access to rail, bus and shopping centres
- On campus IWSA Library

For more details write to iwsahostelvashi@gmail.com
or call 022-27662136



IWSA's G. M. Abhyankar Day Care Centre

To provide day care facilities for young children of working mothers.

This facility is open from 7:30 a.m. to 7:30 pm for children between six months to 10 years (13 years for girls).

Salient features of this Centre include:

- A play area with an attached kitchenette and dining corner
- An open courtyard for outdoor activities
- Caregivers: Trained supervisors and maids
- Celebration of different Indian festivals
- Training in arts, crafts, reading and writing skills
- Kids library
- Toys to play
- Annual dental and health check-ups
- Picnic or field visits and regular meetings with parents

For more information call us at 022- 27899705



IWSA's Mrs. Indirabai Padhye Nursery School

To provide pre-school facilities for toddlers between 2.5 and 4.5 years

- A natural step-up for children from IWSA's Day Care Centre and the neighborhood
- Well trained teachers who nurture creativity and logical thinking using the play-way method
- Attention is given to inclusive education as recommended by the New Education Policy 2020

For details contact: +91-9769779137



IWSA's Early Childhood Care and Education

Diploma course for training of teachers for pre-primary and primary school education. Academic year June to April.

- This is a one-year full time vocational training in Early Childhood Care and Education (ECCE) for women.
- The course is affiliated to the Department of Lifelong Learning & Extension, SNDT Women's University, Mumbai.
- Medium of Instruction is English.
- Age is no bar. Minimum qualification required is HSC.
- This course empowers women, and introduces them to scientific concepts like child development, nutrition, health, hygiene, environment and child welfare related administration and management and onsite training.
- On completion of the program, teachers secure jobs in prestigious day care centres and pre-schools.



Other short-term courses for training of teachers for pre-primary schools are conducted.

For more details contact: +91-9820469667

IWSA, in collaboration with DRISHTI, conducts two online courses.

1. One month foundation course: "Understanding ADHD & LD".
2. Three months certificate course in "Shadow teacher training"

Contact for more details : +91-9869301983



IWSA's Murli Lal Chugani Health Care Centre

To provide some of the basic health care facilities to IWSA's hostel girls, members and to people in the locality.

The salient features of our Health Care Centre are:

- Well-trained staff includes a dentist, a physiotherapist, and clinician on call
- Annual free cancer detection camp
- Regular check-ups for bone density, health and dental camps
- Lectures on different health-related topics by experts



For appointments call +91-8898560288(4 pm to 8 pm)

IWSA's Pirojsha Godrej Foundation Science Library

To provide library and reading facilities for residents of Navi Mumbai / Mumbai

Funded by the Directorate of Libraries, Govt. of Maharashtra, IWSA's library-cum-reading room is stocked with periodicals and books on a variety of subjects, including popular science books. Books are available in English, Hindi, and Marathi. Library maintains an E-catalogue of the books.

- Timings: 11 am to 8 pm
- Open to: Men, women and children.



IWSA's Satish Haware Computer Education Centre

To offer a variety of computer courses for all members of society from young students to senior citizens.

- Variety of courses are conducted: Certificate Course in IT, Office Automation, Web Designing, Graphic Designing, Internet skills, Tally, 2D, 3D animation, Advanced Excel, C, C++ , VB, JAVA, Android, Scratch and Python
- Authorized centre for MS-CIT courses
- Fast track vacation workshops are also conducted

For details contact: iwsa.computercentre@gmail.com



SCIENCE AWARENESS PROGRAMS

- IWSA conducts courses, seminars, lectures, workshops, panel discussions, exhibitions and science camps to spread awareness in different areas of science.
- Exhibitions bring together students and teachers from different schools for an update on new methods of teaching, children's books and educational kits and latest in science and technology.
- IWSA members motivate students from nearby schools by conducting science experiments.
- Science Club (VIPNET) activities are conducted in collaboration with Vigyan Prasr.
- Personal interactions and hands on experiments ignite the curiosity and build self-confidence in students.
- Communication with students is in Hindi, English and Marathi.



Lecture Workshops and Refresher Courses

To equip teachers & students with the latest in different areas of science.

- Financially supported by the Science Academies Education panel/other sources: Till date, programs on Biotechnology, Physics, Chemistry, Bioinformatics, Neuroscience, OMICS, and Lasers have been conducted. The workshops are given wide publicity to ensure good participation.
- Programs are of short-term duration
- Lectures are delivered by experienced and eminent scientists and IWSA members from renowned institutions.
- Demonstrations or hands on experiments accompany the lectures



Popular Science Lecture Series

To showcase cutting-edge science being conducted by Indian scientists, especially women scientists, and to inculcate scientific temper in young minds.

Supported by the Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), our Popular Science Lecture Series is regularly conducted in Mumbai, Navi Mumbai, and at our branches, too. This program was started in 2011 for colleges and now includes lectures for school students and general public. These are conducted on-site/online. The objectives of this program are to showcase the important work of Indian women/men scientists, inform students about new and exciting developments in science and excite them about science and its applications.



IWSA's Dr. Sumati Bhide and Mr. Vasudeo Bhide Science Laboratory

To organize exciting laboratory sessions for students and teachers alike.

This program organizes laboratory sessions for students and teachers on a regular basis.

- Science Nurture Program: for middle school students from a lower socio-economic background with limitations in English language. Emphasis is on science experiments, hands-on activities, maths, computers and the English language.
- School students are exposed to exciting events in Science & Technology with emphasis on Electronics & Robotics by building models under the guidance of M/S Techshiksha. (www.techshiksha.com)
- Refresher Course in different science subjects for high school teachers is also conducted.

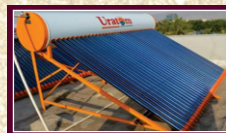


GREEN INITIATIVES

IWSA's initiatives on campus help to create awareness on technology applications with direct impact on our environment. Some of these are given below:

Solar Thermal for Water Heating

In order to reduce carbon footprints, a solar water heating system has been installed at the IWSA working women's hostel.



Solar Energy for Electricity

Grid connected solar PV system of 47 kwph has been installed to meet electricity requirements on campus for self-sufficiency.



Solid Waste Management

Our on-campus biogas demo Nisargruna plant (50 Kg capacity) for biomethanation helps to treat the biodegradable kitchen waste generated at IWSA. This plant is based on the technology developed at Bhabha Atomic Research Centre, Trombay, Mumbai, and funded by Hemendra Kothari Foundation. The biogas is connected to the hostel kitchen.

Incinerator to Dispose Sanitary Napkins

An environment-friendly solution for the disposal of soiled sanitary napkins has been installed in the hostel. It is a simple, safe and hygienic way to dispose the napkins.

Learning Garden Living Museum

Our campus has a number of specially cultivated plants from shrubs, flowering plants to full grown trees. These plants are used to educate school and college students/teachers and visitors to our campus. Several informative booklets have been published and are available in IWSA's library. GeoBhumi - a soil moisture management sensor has been installed in the garden. Dry garden waste composting is also carried out.



Conferences

Conferences are organized by IWSA at its headquarters and branches at regular intervals. The themes of these conferences are geared to encourage women in sciences and to bring them on a common platform to interact with experts in the field.

Scholarship Awards

IWSA scholarships/awards are given from the generous donations of our well-wishers. These awards are given annually on merit-cum-means basis to girl students pursuing science education at different levels (BSc., MSc., and PhD.) computer courses and teacher training courses. Applications are invited once in a year through information on the IWSA website and advertisements sent to colleges.



IWSA's Branches Across India

Matching with our overall objectives, IWSA's Branches are actively involved in a variety of science activities as those at the headquarters.



IWSA's Newsletter

IWSA publishes a quarterly newsletter with information about our on-going activities at our Vashi headquarters and our branches. It also includes articles on different scientific areas of current interest. These are available on the website, iwsa.net/publications/



Join us at IWSA

Membership of IWSA is open to all women graduates and diploma holders in basic and applied sciences. Associate membership is offered to all women who are interested in science. For more information visit: <https://iwsa.net>

Appeal for Donations

All our activities are made possible through generous donations by our members and other well-wishers. FCRA registration is awaited. Donations to IWSA are exempt under 80G (section 12A of the Income Tax Act, 1961). Cheques/DDs are to be made in the name of "Indian Women Scientists' Association". For direct transfers, please contact IWSA office at iwsahq@gmail.com. You may also visit our office between 3 pm to 5 pm, Monday to Saturday.

Call 022-27661806

PLANS FOR THE COMING YEARS

- Enhancing green initiatives: Learning Garden, and solid waste management plant.
- Upgradation of multipurpose hall.
- Boosting of all our programs and facilities.

OUR COMMITMENT

To work towards promoting: -

- Science for Society
- Science for Women Empowerment
- Science for Sustainability.

FOUNDER MEMBERS OF IWSA

- Dr. Sudha Padhye
- Dr. Lalit Narurkar
- Late Dr. Bharti Bhatt
- Padma Bhushan Late Dr. Kamal J. Ranadive
- Late Ms. Rajani Ray
- Padmashri Late Ms. Shanta Gandhi
- Late Dr. Shantoo Gurnani
- Late Dr. Sumati Bhide
- Late Dr. Sindhu Joshi
- Late Ms. Vidya Khubchandani
- Late Dr. Premlata Thomas
- Late Dr. Kusum Arjungi



Do Join Us In Our Efforts. Contact Us To Volunteer.

The hostel is for women only, however other facilities of IWSA are open to ALL - men too.

IWSA Head Office:

Plot No.20, Sector 10A, Dr. Mar Theophilus Marg, Vashi, Navi Mumbai: 400703.

Email: iwsahq@gmail.com, Tel: 022 - 27661806, Website: <https://iwsa.net>

Published by:

Dr. Rita Mukhopadhyaya, President, IWSA; Plot No.20, Sector 10A, Vashi, Navi Mumbai 400703.