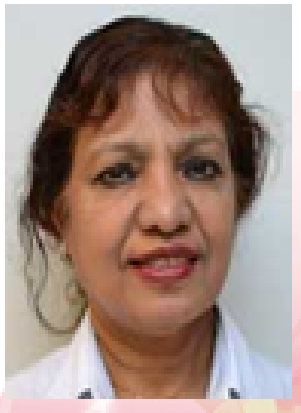
# Some incredible women scientists in the past and present who changed the world


Sharing their phenomenal success stories……

## Sultana N. Nahar



Sultana Nurun Nahar, an atomic astrophysicist at the Ohio State University,USA received her B.Sc.Hons in physics in 1977 and M.Sc. in theoretical physics in 1979 from Dhaka University in Bangladesh, standing the first position in rank in both and holds the record for the first woman to achieve them.

Her research is on **atomic processes of photoionization, electron-ion recombination, photoexcitation, collision**. Her contributions include development of the **unified method for total electron-ion recombination, theoretical spectroscopy for Breit-Pauli R-matrix method, resonant nano-plasma theranostics (RNPT) method for cancer treatment**. She has published about **140** scientific articles and is the co-author of the textbook "Atomic Astrophysics and Spectroscopy". She has an on-line database named NORAD-Atomic-Data.

She is involved in promoting STEM research and education in a number of countries and is the founder of International Society of Muslim Women in Science. She is an APS Fellow, recipient of the highest honor gold medal from the Topical Society of Laser Sciences. Since then she has connected people from 22 countries to the American Physical Society. Her major contribution was to bring higher science education to women and children in underdeveloped countries.

In addition, she has created programs to link emerging research professionals in developing countries **(Bangladesh, Egypt, India** and **Palestine)** with universities in the United States, including OSU. The group encourages women to pursue a career in science despite outside pressure.

She is Presently Co-Director(OSU) of APJ Abdul kalam STEM ER Center(PIONEER),a joint venture of AMU and OSU.