



Sultana N. Nahar
Department of Astronomy

McPherson Laboratory
140 W. 18th Avenue
Columbus, Ohio 43210-1173

Phone: 614-292-1888

Email: nahar.1@osu.edu

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

To:

Global Participants
AAS and SS+Rmatrix Workshops II
June-July 2022

June 8, 2024

Ref: Congratulations for the outstanding performances

Dear All,

Assalamu alaikum and Greetings!

Prof. Tauheed Ahmad and I, on behalf of the Indo-US APJ Abdul Kalam STEM Education and Research Center of Aligarh Muslim University and the Ohio State University, are pleased to announce the successful completion of the course "Atomic and Molecular Astrophysics and Spectroscopy with Computational Workshops on R-matrix and SUPERSTRUCTURE codes I", with 60 global participants from many universities in 11 countries - Australia, Bangladesh, India, Jordan, Mexico, Pakistan, Palestine, Saudi Arabia, Senegal, Syria, USA, held online during May 4 - May 26, 2024. Certificates are attached.

We would like to thank

- lecturer Professor Anil Pradhan for delivering enriching lectures,
- the Ohio State University for the facilities to deliver the lectures
- Ohio Supercomputer Center (OSC) for providing the participants accounts to its high performance computers for the computational workshops.

Special thanks to Heidi Hamblin (OSC) for going extra mile to help in her out of office time.

- Special thanks to Prof. Tauheed Ahmad for staying at entire sessions and sharing his knowledge with us time to time.

- Special thanks for help in conducting computational workshop for SUPERSTRUCTURE by Dr. Rahla Nagma and program FAC by Dr. Bilal Shafique.

- Thanks to the participants who voluntarily helped each other in various ways - logging and making connections to OSC, running the computer programs, video recordings, discuss physics problems.

- I hope that the bond you have formed among yourselves will last indefinitely.

I congratulate heartily everyone for the accomplishment from the course coming with a diverse background in physics, engineering, chemistry. Your performances have been outstanding. The course scores can vary, but the impact of learning and applications will bring the values for the future. My particular congratulations are for those who took the exam to face the challenge to test their knowledge acquired within a short time regardless of the score outcome. Please keep all the codes with you for any future research involvements.

The top excellent scorers, based on the exam with added values from the computational workshops, are:

1. Prof. Rahla Nagma, Devi Ahiliya Viswa Vidyalay, India
2. Prof. Zher Samak, Al Aqsa University, Gaza, Palestine
3. Dr. Tomasz Rozanski, Australian National University, Australia

Three scores came close after these:

4. Prof. Anver Aziz, Jamia Millia Islamia, India
5. Vidit Bhandari, Denison University, USA
6. Jackson T. Cook, The Ohio State University, USA

With our very best wishes to everyone for contributing to science,



Prof. Sultana N. Nahar (Lecturer)

Fellow: APS, BPS, BAS, TWAS-UNESCO

Co-Director, Indo-US APJAK STEM Education & Research Center of OSU-AMU

Adjunct Professor, Cairo University, Egypt

UGC Adjunct Professor, Aligarh Muslim University, India



Ex-Chair of Physics, Aligarh Muslim University, India

Director, Indo-US APJAK STEM Education & Research Center of OSU-AMU