

**REPORT ON INTERNATIONAL SEMINAR ON
“ ICONIC MILESTONES DISCOVERY OF TWO BRAIN MEDICINES ”**

Date & Time of Event – 15th December, 2022

Hosted by - Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, Tarnaka, Hyd.

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya, College for Women, (Sponsored by The Exhibition Society) in association with Indian Pharmaceutical Association, TS –branch has organized an international seminar on the topic “**ICONIC MILESTONES DISCOVERY OF TWO BRAIN MEDICINES**” on 15th December, 2022, 10:30 am. The Principal Speaker for the seminar was Dr. D. Samba Reddy, Professor and Director, Texas A&M University School of Medicine, USA.

For this International seminar, the number of participants attended were about 250 in auditorium and 120 in seminar hall (online).

The programme started at 10:45 am. Ms. Akanksha of Pharm D started the program and invited all the dignitaries onto the dais. The program is then followed by lighting of lamp by all the guests and a prayer song by Likitha, Ananya and Jahnavi of B Pharmacy. Later, Sri V. Pradyumna, Marketing Consultant-Pharma Industry, EC member, IPA TS- Branch and GB member, SNVPMV, addressed the session and cordially welcomed the speaker of the seminar, Dr. D. Samba Reddy, who has come all the way from USA. Sir, thanked speaker for accepting the invitation of delivering an seminar on his research work which has led to the development of two new brain medicines.

Later, Dr. G. Malla Reddy, Retired Professor, Kakatiya University, greeted the gathering and said that he was overwhelmed to see his students achieve big things in their careers and one such student is Dr. D. Samba Reddy. He felt proud to be a great teacher to such great students. Sir also said that he has witnessed the growth of his student, Dr. D. Samba Reddy, who has come from a poor village background and rose to Professor and Director of A&M University School of Medicine, Texas, USA.

Next, Prof. Madhav Reddy, Honorary treasurer, IPA-TS branch addressed the gathering with his speech. Sir, greeted all the dignitaries on and off the dais, students and said that Dr. D. Samba Reddy, is a proud alumnus of Kakatiya University who is leading a very good research team in A&M University School of Medicine, Texas, USA. He congratulated Dr. D. Samba Reddy, for his discovery of two new brain medicines.

All the dignitaries are requested to participate in the Release of Poster entitled, 'ICONIC MIESTONES- Dr. D. SAMBA REDDY'. His research work has led to the development of two new brain medicines- The First Postpartum depression drug-BREXANOLONE and First in class Epilepsy drug- GANAXOLONE. Later, Dr. Anil Shah, Director of Shah Book House Private Limited, was invited for the release of 'International Journal of Pharmaceutical Sciences and Nanotechnology'. Dr. T. Mamatha, Vice-Principal, SNVPMV has greeted the gathering and felt privileged to introduce the speaker to the participants. Madam, introduced the speaker and invited to share his research experiences with the students of SNVPMV and inspire them with his words.

Dr. D. Samba Reddy sir has praised Dr. B. Prabha Shankar sir, President, IPA-TS branch and Chairman, SNVPMV, as a dynamic and philanthropic and inspiring person, though in the absence of Dr. B. Prabha Shankar sir, things go smoothly because of his visionary leadership. Dr. D. Samba Reddy sir stated that he has come to deliver the international seminar and share his research experiences especially on the request of Dr. B. Prabha Shankar sir and thanked him for arranging such event. In his seminar, sir has explained the importance of medications of brain disorders showing the statistics that about 500 million people worldwide and around 100 million Americans were affected by the brain disorders. Sir explained the anatomy of brain, about the cells of the brain- neurons, synaptic transmission of neuronal circuit, brain GPS, brain diseases, targets and pathway goals related to drug discovery of brain disorders etc. Sir stated that he has chosen neurosteroids in the drug discovery of brain disorders and gave a brief insight on biosynthesis of neurosteroids, neurosteroids as endogenous modulators, mechanism of action of neurosteroids, neurosteroids as anticonvulsants, natural and synthetic neurosteroids, extra synaptic SAR of neurosteroids etc.

Sir then elaborated about the post partum depression in women which was due to rapid drop in the neurosteroid levels after child birth which may lead to depression in such women. Sir extended that there is no drug developed to treat post partum depression in women and Brexonolone is the first drug discovered by him to treat the disorder. Sir along with his research team has discovered another drug named Ganaxolone, first in class drug for the treatment of epilepsy which is a liquid oral. Sir also gave a note on various phases which a new drug should undergo for its approval by FDA. Sir encouraged all the students and faculty to work consistently and concentrate on the development of new drug molecules for various disorders because India is a country with much of the man power especially youth who is not

concentrating on entrepreneur skills but remaining to work under authorities during their entire life. The students were so enthusiastic and ardent in listening to him.

Dr. D. Samba Reddy as an excellent academician and researcher with outstanding skills in all branches of pharmacy enlightened the entire audience by sharing all his research experiences and the session is open for discussion, queries. Students were very ardent and asked various questions on the topic. All the questions were patiently answered by sir, making the session, both informative and interactive. It was overall, extremely helpful and interesting to all the attendees. Finally, Dr. D. Samba Reddy Sir was felicitated by the dignitaries on the dias.

The vote of thanks was delivered by Sri. Sainath Dayakar Shastri garu, Honorary Secretary, SNVPMV, by expressing gratitude to the guest speaker, Dr. D. Samba Reddy for his enlightening, inspiring and motivational talk on the topic and thanked all the participants for making the session successful. The session was ended up with National Anthem followed by delicious lunch to all the attendees.





