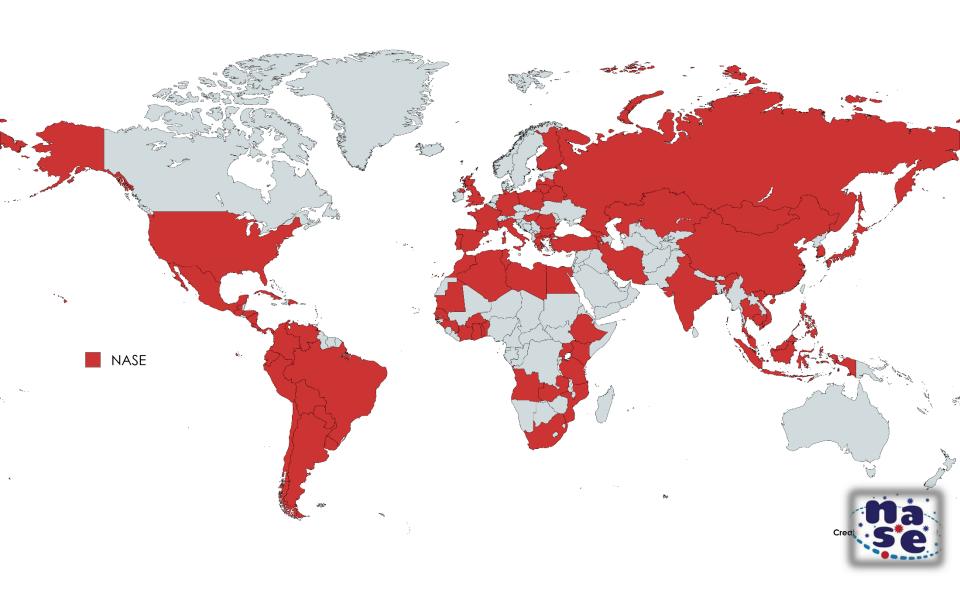
NASE

Network for Astronomy School Education International Astronomical Union

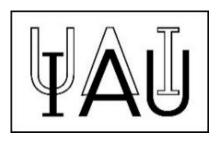
> Sky Colors 2025 October 18th



320 projects in 16 countries









Sky Colors project in Armenia

Varduhi Mkrtchyan

Burkayan Astronomical Observatory, Armenia



SKY COLORS



Armenian team



Varduhi Mkrtchyan Teacher



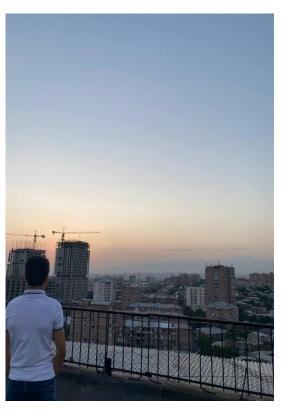
Sargis Malkhasyan Student

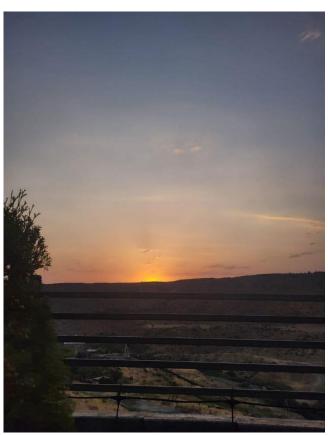


Hripsime Abajyan Student

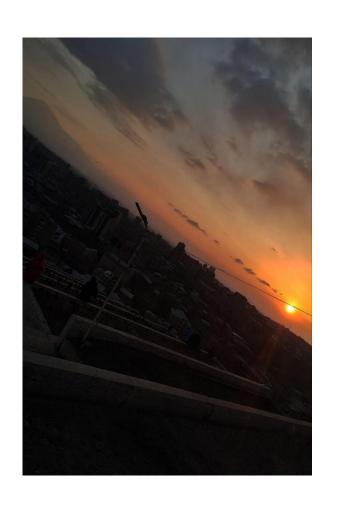


David Mkrtchyan Student



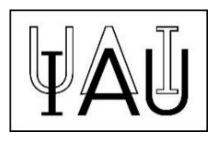














Sky Colors project in China

Zhu Geya

Zhongguanchun N.2 Primary School Haidian, Beijing, China







Project Roadmap

Initiation (March 8

Planning

Launch Event

Execution

(March 20

3. Closing

(July 1 -

Lectures

Collection

Evaluation & Awards

Summary

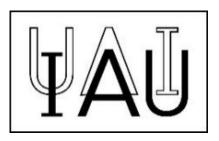


Summary

- 200+ viewers for the live stream
- 20+ workshops
- 15 certificates
- 70 photos
- 188 votes
- 10 winning photos
- 25 photos on display









Sky Colors project in Iran

Maedeh Hosseinzadeh

Thaqib Astronomical Association, Rasht, Iran















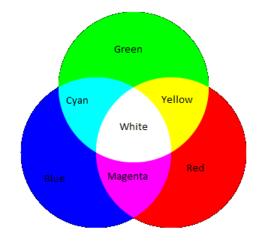


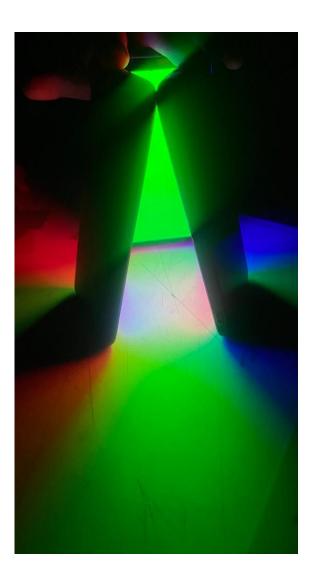




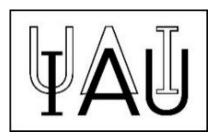














Sky Colors project in Indonesia

Ihsan Muharrik

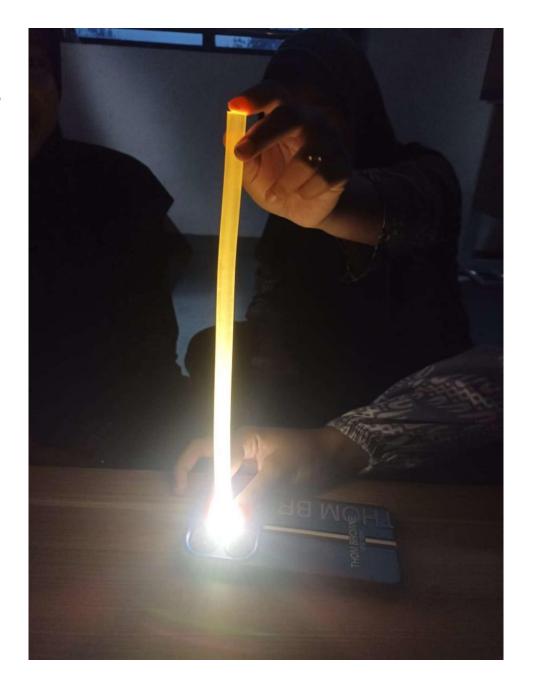
Daarul Uluum Lido Boarding School, Bogor, Indonesia

Photos





Activities



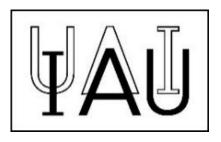


Activities











Sky Colors project in Greece

Konstantina Chrysanthakopoulou

8th Junior High School in Chalandri







Sky Colors project in Bulgaria

Ivo Jokin, NASE Coordinator for Bulgaria Galina Moskova, Neli Ivanova, Zlatko Petrov

Teachers of physics and astronomy, man and nature, history

NASE Project "Sky Colors" During 21st National Astro Party event, May 30 and 31, 2025, Bulgaria

Over 60 students and teachers from all over the country took part in the 21st National Astro Party Baikal 2025, which was held on May 30 and 31 on the banks of the Danube River, Baikal village, Bulgaria. The event is under the patronage of the Minister of Education and Science.









I prepared kits (pizza boxes) for the teachers in advance with the necessary materials, according to the project instructions. The teachers, together with their students, worked in groups and performed all the experiments. My name is Galina Moskova - teacher of mathematics, physics and astronomy. I love children, poetry, music and Bulgarian folklore. I put all my energy and dedication into my teaching work. I love challenges and I am proud that I manage to ignite the spark of knowledge in my students. I work with students from 12 to 18 years old. During the past school year, together with the students from the Astronomy club, we created posters and models in the interest classes on the occasion of the International Cosmonautics Day on April12.

For several years now, we have also been participants in Astroparty Baikal at the invitation of Mr. Ivo Jokin, where we conducted experiments on the Heavenly Colors project. The students were very intrigued by the experiments!



I am Neli Ivanova, a teacher of Man and Nature for children from 1st to 4th grade at 35 Secondary Language School, Sofia. We were the youngest participants in Astro Party, but I adapted the information from the project and the explanation of the experiments with light. The children were very impressed with the experiments!



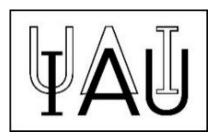




I am Zlatko Petrov, a history teacher at the Primary School, Gorna Mitropolia village. Although I am not an astronomy teacher, I am participating for the second time in an Astro Party with students. I really like the historical facts included in the project activities and I told more interesting facts from the history of the ancient world related to the study of light.







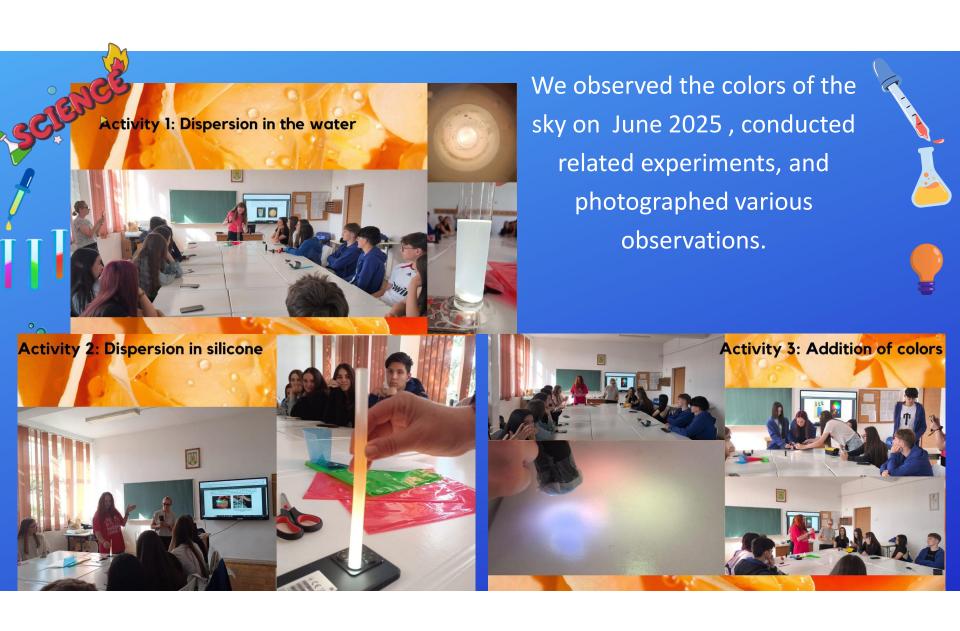


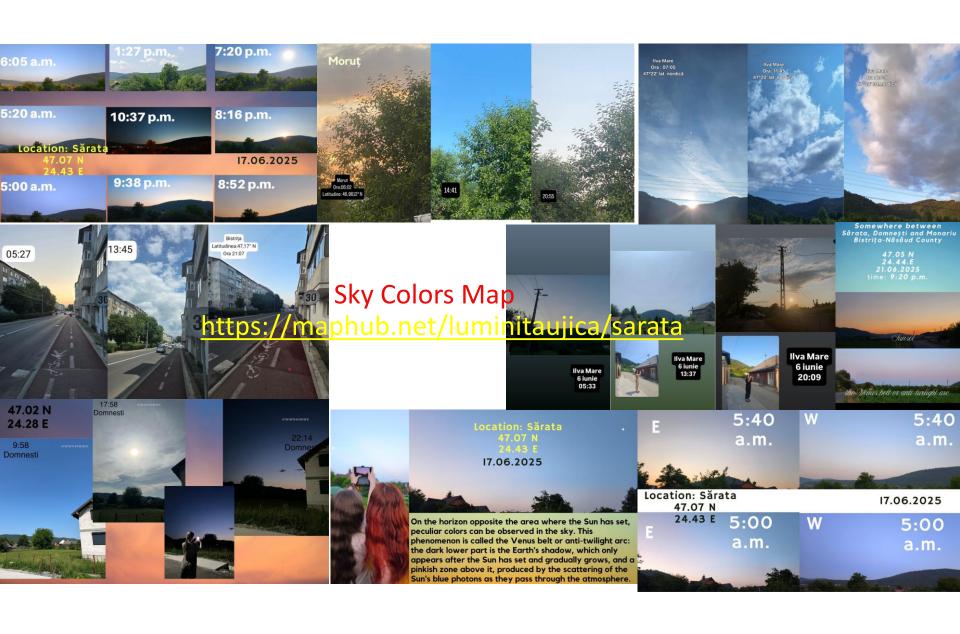
Sky Colors project in Romania

Luminița Ujică, Violeta Cristurean

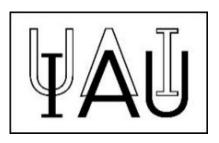
Liceul cu Program Sportiv Bistriţa, Romania











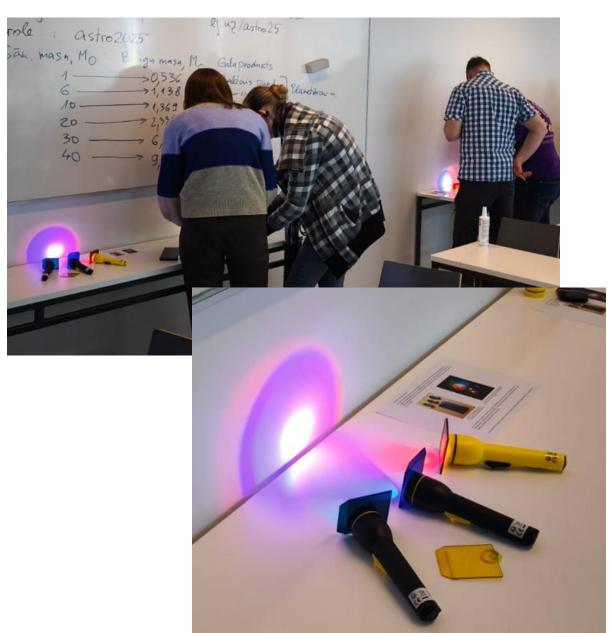


Sky Colors project in Latvia

Ausma Brunenice

Pumpuri Secondary School, Jūrmala, Latvia

Activities- teacher's seminar







Activities - experiments at school





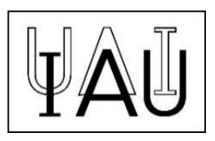


Activities: Solar eclipse 29.03.2025. Riga











Sky Colors project in UAE

Ammar Eissa Mohammed Abdulla

Astronomical Observatory, Sharjah University

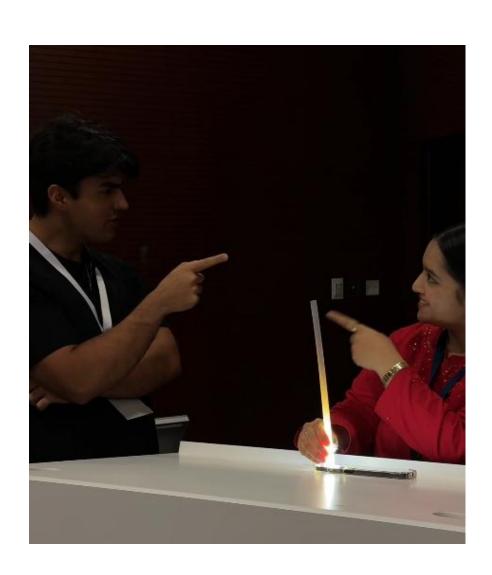
Activities by 3 teams







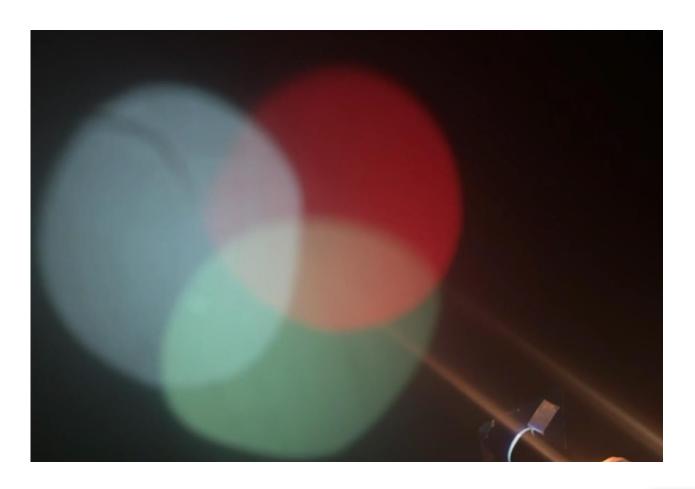
Activities- teacher's seminar





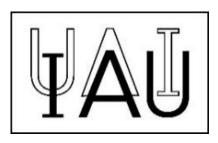


Activities in videos











Sky Colors project in Togo

Doh Koffi ADDOR

Geological Science for Sustainable Development, Togo





- Activity organized as part of the International Day of Light celebration.
- Goal: Demonstrate why the sky appears in different colors.
- Participants: Secondary school teachers.
- Organizer : Science Géologique pour un Développement Durable NGO

Country: **TOGO**

Presented by: Doh Koffi ADDOR

The **Experiment**

- CHION Développe
- Used everyday materials: glue stick and milk in water.
- Passed light from a phone through the medium.
- Teachers observed how scattering creates the different sky colors (blue, orange, yellow).





Teachers' Engagement

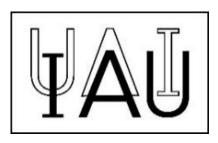


- Teachers were curious and enthusiastic.
- Active involvement in the experiments.
- Expressed interest in repeating the activity with their own students.











Sky Colors project in Argentina

Claudia Pieroni

EPPI No. 1345 Nuestra Señora del Carmen, Pujato





4th and 5th Grades: Interdisciplinary project THE TOWN'S SUNSETS

ART PRODUCTIONS

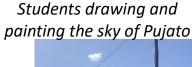




Students take a photographs showing different sky colors in the same places in Pujato











Experiment with light dispersion in water to explain the different colors of the sky



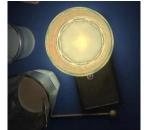














Popular proverbs that refer to the sky colors known by the inhabitants of Pujato

VIDEO: Why is the sky blue? Space Place. NASA Science (2022).



Red sky at dawn, it's going to rain.

Red in the evening hopefully good weather.

When the sun goes down red, the next day will be windy.

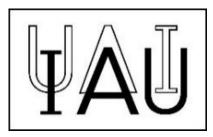
Red sky at night, shepherd's delight. Red sky in the morning, shepherd's warning. Other languages

"Rosso de sera, buon tempo si spera". (Italian) "Rouge rouge la nuit, beau temps prévu" (French) "Rosso de mattina, la pioggia s'avvicina". (Italian)











Sky Colors project in Nicaragua

Ligia del Carmen Areas Zavala

Universidad Nacional Autónoma de Nicaragua, Managua

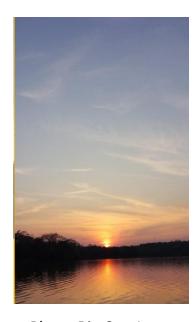
Sky Colors Nicaragua 2025: Observing the Evening Sky





Place: Rubén Darío University Campus, UNAN-Managua

Date: May 6th Time: 6:00 p.m. Latitude: 12° 09' N



Place: Rio San Juan Date: May 24th Time: 5:50 pm Latitude: 11^o 7' N

Sky Colors Nicaragua 2025: Observing the Evening Sky



Place: La Concha, Masaya

Date: May 20th Time: 6:00 p.m. Latitude: 11^o 58' N



Playa el Huehuete, Carazo

Date: April 20th

Time: 5:50 p.m. Latitude:

11⁰ 53′ N







Place: Playa Perú, Isla de Ometepe

Date: April 20th Time: 5:45 p.m. Latitude: 11⁰ 32' N

Nicaragua 2025: Experiments on Light Colors

Place: Rubén Darío University Campus. UNAN-Managua











Julieta of the Cosmos





DURRUTY JESÚS DE

ALBA MARTÍNEZ

Julieta del cosmos

Es reconocida en México y otros países hispanohablantes por su destacada contribución a la comprensión pública de la astronomía para personas de todas las edades, y participa activamente en congresos educativos en todo el mundo. Ha impartido cientos de conferencias públicas y ha participado en exposiciones y conferencias en diversos museos de ciencias (...) La profesora Gossman es entrevistada regularmente por los medios de comunicación y aparece semanalmente en televisión y radio. También ha producido una serie de programas de televisión para escolares y maestros UNESCO, Kalinga Prize laureate 1995

l 19 de septiembre vuelve a configurarse como una fecha de luto para más de alguno. Ahora es la comunidad astronómica y en particular la de divulgación/comunicación de la ciencia la que despide del plano terrenal a una colega que tuvo el don de ser maestra formal e informal de muchos y logró trascender mucho más allá de su propio ámbito y país. Me refiero a la doctora Julieta Norma Fierro Gossman (Ciudad de México,

Una de las primeras veces que la vi-como decían en algunas transmisiones televisivas del siglo pasado- "en vivo y a todo color" fue en una charla de divulgación en un congreso de la Sociedad Mexicana de Física (SMF). Sus palabras y gestos envolvían a la audiencia. A la hora de las preguntas, quien esto escribe, con la soberbia propia de un estudiante de Física que ya se había enterado que una buena parte de las Matemáticas las habían desarrollado los físicos, le pregunté a la entonces maestra Fierro si en sus investigaciones se había topado con algún problema que requiriera de nuevas matemáticas. Con la humildad característica de las mentes más preclaras y verdaderamente grandes, me dilo que no sabría responderme, para luego nombrar a uno de sus colegas del Instituto de Astronomía de la Universidad Nacional Autónoma de México (UNAM), quien se dedicaba a la cosmología y probablemente tendría una respuesta.

Publicado en	Fecha 22/09/2025		Р	Página y sección 05A	
El Diario NTR	UdeG	x	País	Jalisco	
	Educación C&T		Mundo	Opinión	

Por actividad incansable y extensa obra recibió el Premio UNESCO Kalinga de Divulgación Científica 1995. En la mención consignan: "Es autora de 23 libros (varios de los cuales se utilizan a nivel nacional en bibliotecas públicas y escolares) y docenas de artículos de divulgación. Escribe regularmente para los periódicos más importantes de México y es fundadora y editora de Orión, la revista mensual del Instituto de Astronomía" (UNESCO, Op. Cit.), 30 años después los números se incrementaron notablemente junto con los reconocimientos: cuatro doctorados honorarios, la silla XXV de la Academia Mexicana de la Lengua, entre otros.

En sus charlas, me resisto a llamarles conferencias, pues ello reviste cierta solemnidad que puede implicar un distanciamiento del público, siempre había un gesto o acción con la cual fortalecía el contacto y diálogo con su audiencia. Podía arrojar dulces, estrellas de papel o libros; salir con una máscara y antenas de extraterrestre, pero sobre todo reafirmaba la importancia de que las niñas y jóvenes se acercaran a la ciencia, DEP.



One of the first times I saw her —as they used to say on some television broadcasts of the last century— "live and in full color" was at a popular talk at a conference of the Sociedad Mexicana de Física. Her words and gestures captivated the audience. At question time, this writer, with the arrogance of a physics student who had already learned that a good portion of mathematics had been developed by physicists, asked the then master of science Fierro if she had encountered any problems in her research that required new mathematics.

With the humility characteristic of the most brilliant and truly great minds, he told me that he wouldn't know how to answer me, and then named one of his colleagues at the *Instituto de* Astronomía of the Universidad Nacional Autónoma de México (UNAM), who was dedicated to cosmology and would probably have an answer.



Environment

IOC Oceans

Priority Areas

Special Themes

Resources



Cultural Organization

Science Policy and Capacity-Building

UNESCO » Natural Sciences » Science & Technology » Science Policy » Science popularization » Prizes » Kalinga Prize » Kalinga-winners » Kalinga 1995



Science Policy

STI Systems and Governance

Science, Policy and Society

Kalinga Prize laureate

1995

Mexico

Julieta Fierro Gossman

In recognition of her role as a public figure of science and for her contribution to spreading the understanding of astronomy to the general public

Born in Mexico, Julieta Fierro Gossman is an Investigator at the Institute of Astronomy and Professor at the Faculty of Sciences of the Universidad Nacional Autónoma de México (UNAM). In 1998, she received the Dorothea Klumpke-Roberts Award from the Astronomical Society of the Pacific. She has served nationally as President of the Mexican Academy of Professors of Natural Science, and the Mexican Society of Science Museums, and internationally as President of the International Astronomical Union's Commission on Astronomy Education and Development. She is also actively involved in four science centres and has advised and assisted planetariums in Mexico.

RELATED INFORMATION

UNESCO Kalinga Prize for the Popularization of Science

- ▶ Who may apply?
- ▶ How to apply?
- ▶ Regulations
- Previous laureates
- ▶ Nomination form
- List of NGOs (pdf)
- List of UNESCO National Commissions

Laureates

List of Laureates from 1999 to 1990



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Dr.

Julieta Norma Fierro Gossman

(1948 - 2025)

AREA: Mathematical and Physical Sciences

SPECIALTY: Astronomy, Astrophysics, and Earth Sciences

ELECTED: 2023





by her belief in "the splendor of the universe to different audiences and the power of the human mind to understand it." She has worked for museum exhibits, written books and articles, participated in radio and television programs, designed science workshops, and lectured. In recognition of her dedication to popularizing science, she has been General Director Science Dissemination of UNAM, President of the Mexican Society of Science and Technology Museums, of the Mexican Academy of Natural Science Teachers, of the Education Commission of the International Astronomical Union and Member of the Board of Directors of the Astronomical Society of the Pacific.

Cultural Astronomy Issues Pioneer





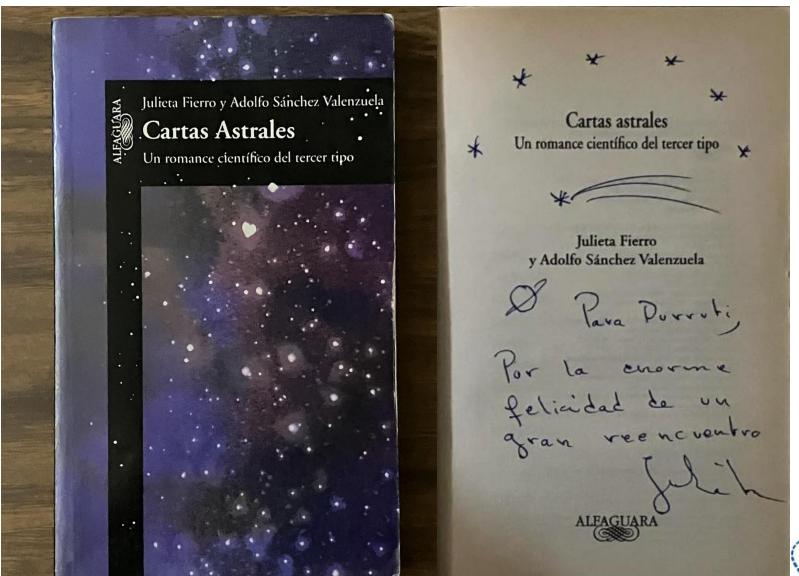








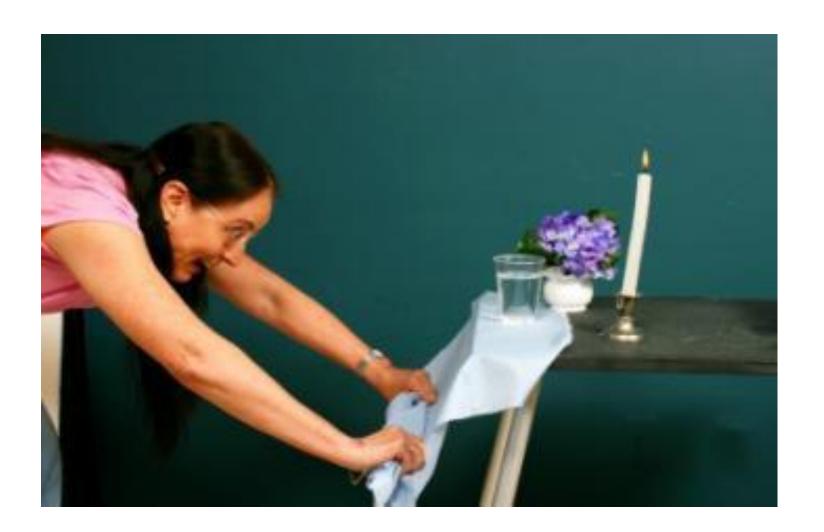
Thanks! ¡Gracias!





Julieta Fierro's photos as NASE member

UNAM, Mexico





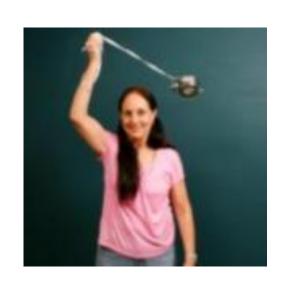






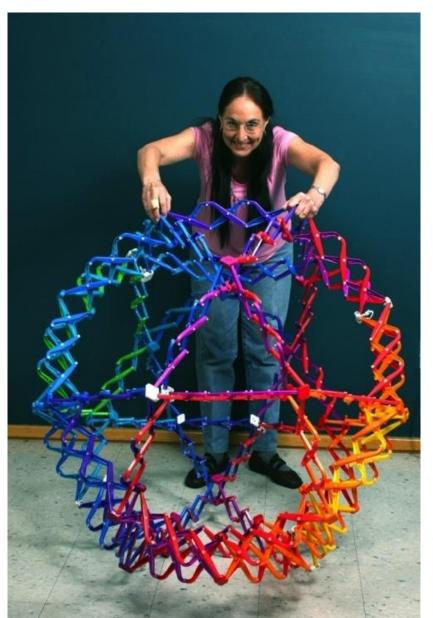






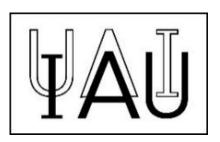














Thank you for your attention