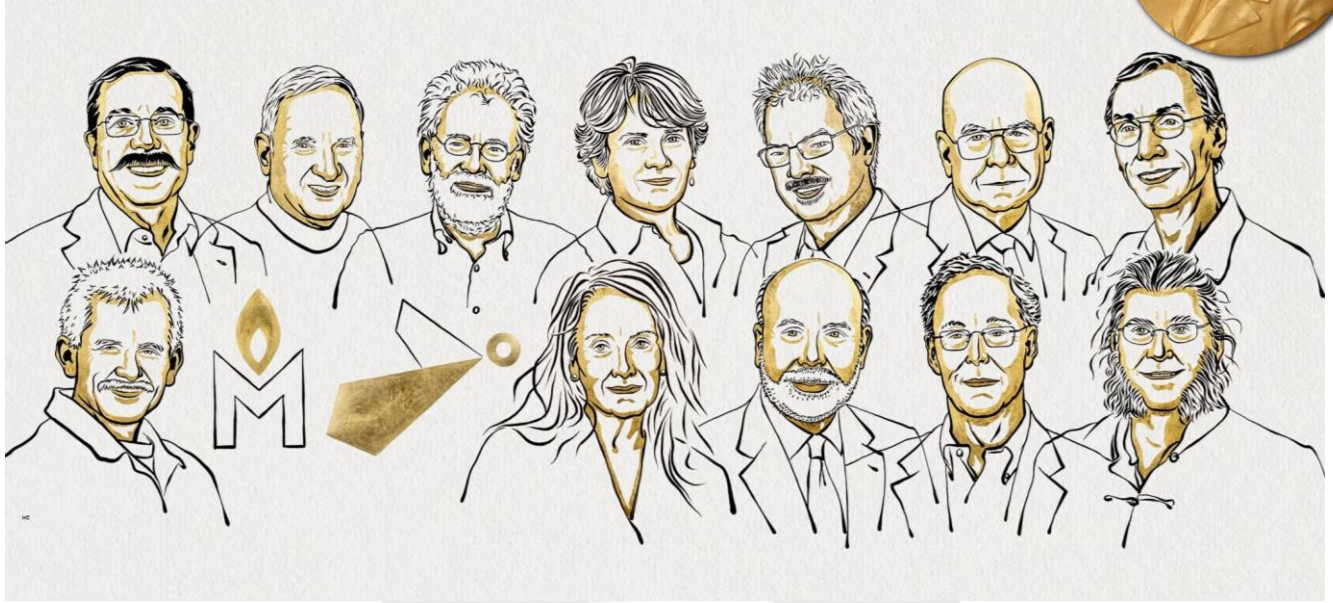


# THE NOBEL PRIZE 2022



## Intro & History of Nobel Prize

It set of **annual international awards** bestowed in several categories by **Swedish and Norwegian institutions** in recognition of **academic, cultural, or scientific advances**.

The will of the Swedish chemist, engineer and industrialist **Alfred Nobel** established the five Nobel prizes in 1895.

The prizes in Chemistry, Literature, Peace, Physics, and Physiology or Medicine were first awarded in 1901.

The Prize in Economic Sciences was created in 1968 by **Sweden's central bank (Sveriges Riksbank)** in Memory of Alfred Nobel. It began in 1969



Awarded for Outstanding contributions for humanity in:

- Physics
- Chemistry
- Physiology or medicine
- Literature
- Peace
- Economic sciences (Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel)

**14 laureates were awarded a Nobel Prize in 2022**

### Awarding Countries:

- Sweden (all prizes except the Peace Prize)
- Norway (Peace Prize only)

### Awarding Institutions:

- Royal Swedish Academy of Sciences (Chemistry, Economic Sciences, Physics)
- Nobel Assembly at the Karolinska Institute (Physiology or Medicine)
- Swedish Academy (Literature)
- Norwegian Nobel Committee (Peace)

### Facts on Nobel Prize

- Awarded Nobel Prize in **Chemistry twice**:
  - **Frederick Sanger** (in 1958 and 1980)
  - K. Barry Sharpless have been (2001, 2022)
- **Awarded Nobel Prize in Physics twice**:
  - J. Bardeen (1956, 1972)
- The only person with **two unshared Nobel Prizes** – **Linus Pauling**
  - 1954 Nobel Prize in Chemistry
  - 1962 Nobel Peace Prize.
- In 2014, **Malala Yousafzai** became the youngest Nobel laureate to win the Nobel Peace Prize, at the age of 17
- Between 1901 and 2022, the Nobel Prizes and the prize in economic sciences were awarded **615 times**.
- Between 1901 and 2022 the Nobel Prize and prize in economic sciences have been awarded **61 times to women**.
- **Two Nobel Prize laureates declined the prize**
  - **Jean-Paul Sartre**, awarded the 1964 Nobel Prize in Literature
  - **Le Duc Tho**, awarded the 1973 Nobel Peace Prize jointly with US Secretary of State Henry Kissinger.
- In no case may a prize amount be divided between more than three persons



M. Curie

Physics 1903  
Chemistry 1911

The Nobel Prize amount for 2022 is set at Swedish kronor (SEK) 10.0 million per full Nobel Prize.

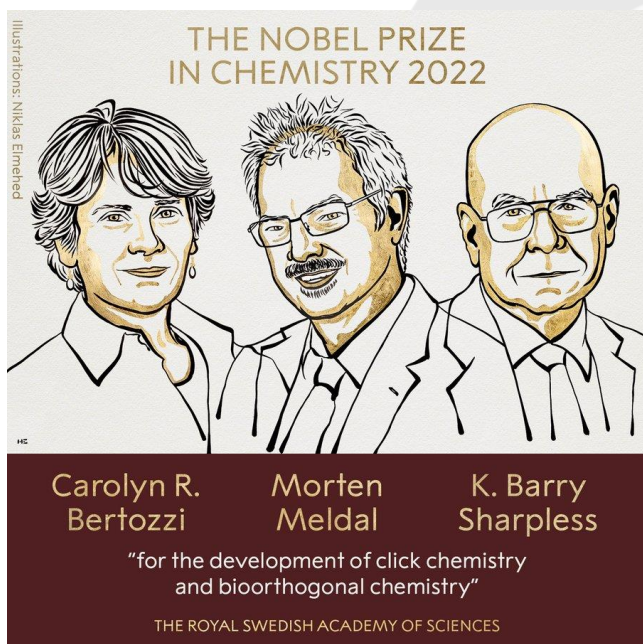
Parcham Classes

## The **youngest** Nobel Prize laureates

Category	Name	Year of award	Age of Nobel Prize laureate
Physics	William Lawrence Bragg	1915	25
Chemistry	Frédéric Joliot	1935	35
Physiology or medicine	Frederick Banting	1923	32
Literature	Rudyard Kipling	1907	41
Peace	Malala Yousafzai	2014	17
Economic sciences	Esther Duflo	2019	46

### Nobel Prize in Chemistry 2022

Awarded by the Royal Swedish Academy of Sciences, Stockholm, Sweden.



### Nobel Prize in Physics 2022

#### Alain Aspect

“for the physical modelling of Earth’s “for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science”



#### John F. Clauser

“for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science”



#### Anton Zeilinger

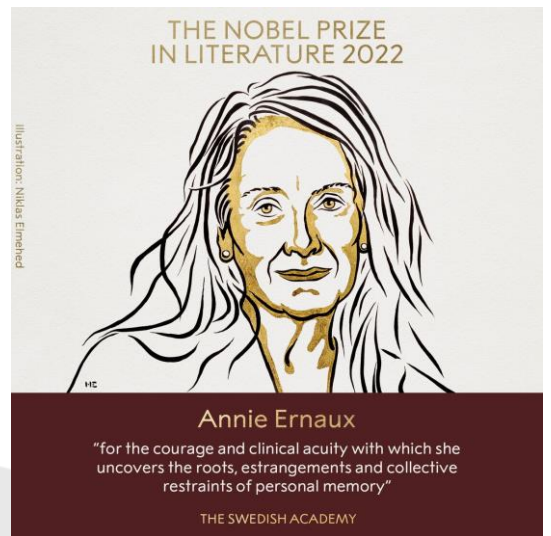
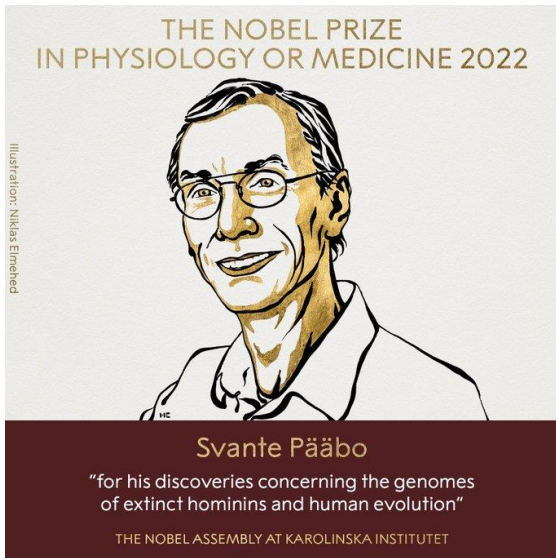
“for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science”





## Nobel Prize in Physiology/Medicine 2022

## Nobel Prize in Literature 2022



## The Nobel Peace Prize 2022



Ill. Niklas Elmehed © Nobel Prize Outreach  
**Ales Bialiatski**  
Prize share: 1/3



Ill. Niklas Elmehed © Nobel Prize Outreach  
**Memorial**  
Prize share: 1/3



Ill. Niklas Elmehed © Nobel Prize Outreach  
**Center for Civil Liberties**  
Prize share: 1/3

**Belarusian** human rights advocate **Ales Bialiatski**,

**Russian** human rights organization '**Memorial**',

**Ukrainian** human rights organization '**Centre for Civil Liberties**'

Announced by the Norwegian Nobel Committee for promoting the right to criticize power and protecting the fundamental rights of citizens.

## Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2022

**Ben S. Bernanke**

"for research on banks and financial crises"



Ill. Niklas Elmehed © Nobel Prize Outreach

**Douglas W. Diamond**

"for research on banks and financial crises"



Ill. Niklas Elmehed © Nobel Prize Outreach

**Philip H. Dybvig**

"for research on banks and financial crises"



Ill. Niklas Elmehed © Nobel Prize Outreach

## Nobel Prize Winners – Indian Connection

Nobel Winners	Category	Year	Region
Rabindranath Tagore	Literature	1913	India (West Bengal)
C. V. Raman	Physics	1930	India (Tamil Nadu)
Amartya Sen	Economics	1998	India (West Bengal)
Kailash Satyarthi	Peace	2014	India (Madhya Pradesh)
Mother Teresa	Peace	1979	India (born in North Macedonia)
14th Dalai Lama	Peace	1989	India (born in Tibet, refugee in India)
Har Gobind Khorana	Physiology or Medicine	1968	United States (born in British India)
Subrahmanyan Chandrasekhar	Physics	1983	United States (born in British India)
Venki Ramakrishnan	Chemistry	2009	United Kingdom, United States (born in India)
Abhijit Banerjee	Economics	2019	United States (born in India)
Ronald Ross	Physiology or Medicine	1902	United Kingdom (born in British India)
Rudyard Kipling	Literature	1907	United Kingdom (born in British India)

### Rabindranath Tagore Facts



Photo from the Nobel Foundation archive.

Rabindranath Tagore  
The Nobel Prize in Literature 1913

Born: 7 May 1861, Calcutta, India

Died: 7 August 1941, Calcutta, India

Residence at the time of the award: India

Prize motivation: "because of his profoundly sensitive, fresh and beautiful verse, by which, with consummate skill, he has made his poetic thought, expressed in his own English words, a part of the literature of the West"

Language: Bengali, English

Prize share: 1/1

### Sir Chandrasekhara Venkata Raman Facts



Photo from the Nobel Foundation archive.

Sir Chandrasekhara Venkata Raman  
The Nobel Prize in Physics 1930

Born: 7 November 1888, Tiruchirappalli, India

Died: 21 November 1970, Bangalore, India

Affiliation at the time of the award: Calcutta University, Calcutta, India

Prize motivation: "for his work on the scattering of light and for the discovery of the effect named after him"

Prize share: 1/1

### Mother Teresa Facts



Photo from the Nobel Foundation archive.

Mother Teresa  
The Nobel Peace Prize 1979

Born: 26 August 1910, Uskup, Ottoman Empire (now Skopje, North Macedonia)

Died: 5 September 1997, Calcutta, India

Residence at the time of the award: India

Role: Leader of Missionaries of Charity, Calcutta

Prize motivation: "for her work for bringing help to suffering humanity"

Prize share: 1/1

### The 14th Dalai Lama Facts



Photo from the Nobel Foundation archive.

The 14th Dalai Lama (Tenzin Gyatso)  
The Nobel Peace Prize 1989

Born: 6 July 1935, Taktser, Tibet (now China)

Residence at the time of the award: India

Prize motivation: "for advocating peaceful solutions based upon tolerance and mutual respect in order to preserve the historical and cultural heritage of his people"

Prize share: 1/1

## Amartya Sen Facts



Photo from the Nobel Foundation archive.

Amartya Sen  
The Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 1998

Born: 3 November 1933, Santiniketan, India

Affiliation at the time of the award: Trinity College, Cambridge, United Kingdom

Prize motivation: "for his contributions to welfare economics"

Prize share: 1/1

## Kailash Satyarthi Facts



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Kailash Satyarthi  
The Nobel Peace Prize 2014

Born: 11 January 1954, Vidisha, India

Residence at the time of the award: India

Prize motivation: "for their struggle against the suppression of children and young people and for the right of all children to education"

Prize share: 1/2

" DON'T WISH IT WERE EASIER,  
WISH YOU WERE BETTER "

Jim Rohn

epic  
quotes