



Fields Medals 2022

Why in News?

Recently, **Ukrainian mathematician Maryna Viazovska** along with other three mathematicians **received the prestigious Fields Medals**.

- Fields medal is often described as the [Nobel Prize in mathematics](#).

What are the Key Highlights about Field Medal?

▪ About:

- The Fields Medal is awarded every four years to one or more mathematicians under the age of 40.
- Fields Medal is awarded at the International Congress of the [International Mathematical Union \(IMU\)](#).
 - IMU is an international **non-governmental and non-profit scientific organization**.
 - The purpose of IMU is to **promote international cooperation in mathematics**.
- Fields medal is awarded to recognize outstanding mathematical achievement for existing work and for the promise of future achievement.
- The Fields Medal Committee is chosen by the Executive Committee of the International Mathematical Union and is normally **chaired by the IMU President**.

▪ History:

- The 1924 ICM in Toronto adopted a resolution that at each conference, two gold medals would be awarded to recognise outstanding mathematical achievement.
- The Canadian mathematician Prof J C Fields, who was secretary of the 1924 Congress, later donated funds to establish the medals, which were named in his honour.
- In 1966, it was agreed that, in light of the great expansion of mathematical research, up to four medals could be awarded at each Congress.
- It was first awarded in 1936.

What about the Indian-origin winners?

- Among the more than 60 mathematicians who have been awarded the Fields Medal since 1936, there are two of Indian origin:
 - Akshay Venkatesh of the Institute for Advanced Study at Princeton (2018)
 - Manjul Bhargava of the Department of Mathematics at Princeton University (2014).

[Source: TH](#)

