



## First Indian to get Boltzmann Medal

### Why in News?

Recently, the prestigious **Boltzmann Medal** for the year 2022 has been awarded to **Professor Deepak Dhar**.

- He became the first Indian to win this award and **shared the award with American scientist John Hopfield**.
- The chosen two scientists will be presented the medals at the **StatPhys28 conference to be held in Tokyo in August, 2022**.



### What is the Boltzmann Medal?

- This medal is awarded **every three years** by the **Commission on Statistical Physics of the International Union of Pure and Applied Physics (IUPAP)** at the Statphys Conference.
  - The **IUPAP** was **established in 1922 in Brussels** with 13 Member countries and the first General Assembly was held in 1923 in Paris. **It currently has 60 country members. India joined it in 1948.**
  - It is the **only international physics organisation** that is organised and run by the physics community itself.
- The award **comprises medals and honours** for the contribution in Statistical Physics. The award consists of the **gilded Boltzmann medal with the inscription of Ludwig Eduard Boltzmann**.
  - **Ludwig Eduard Boltzmann** was an Austrian physicist and philosopher.
- It is given **only once to a person and on the condition** that that person has not won the **Nobel prize** so far.
- It was **initiated in 1975**, with Nobel laureate (1982) **K.G. Wilson being the first recipient**.

## Who is Professor Deepak Dhar?

- Professor Dhar was **born 1951** and completed his graduation in Science in 1970 from University of Allahabad, then **Masters in Physics from Indian Institute of Technology, Kanpur** in 1972. Then he went to the US for PhD.
- Joined **Tata Institute of Fundamental Research (TIFR)** as a research fellow in 1978. He worked at TIFR over the years as a full-time professor and retired in 2016.
- Since then, he has joined **Indian Institute of Science Education and Research, Pune (IISER)** as a visiting faculty.

## Why was he Awarded the Medal?

- He has been chosen **for this award for his contributions in the field of statistical physics, including universal long-time relaxation** in disordered magnetic systems, exact solutions in percolation and cluster counting problems and definition of spectral dimension of fractals.

PYQ

Consider the following statements: (2008)

Orange Prize is awarded to a work of published fiction in English by a woman.

Pulitzer Prize is awarded by the Commonwealth Foundation to a citizen of any Commonwealth country for any literary work in English.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Ans: (a)

**[Source:IE](#)**

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