**Author of the Week: C. V. Raman**



C.V. Raman, in full Sir Chandrasekhara Venkata Raman, (born November 7, 1888, Trichinopoly, India—died November 21, 1970, Bangalore), Indian physicist whose work was influential in the growth of science in India. He was the recipient of the Nobel Prize for Physics in 1930 for the discovery that when light traverses a transparent material, some of the light that is deflected changes in wavelength. This phenomenon is now called Raman scattering and is the result of the ‘Raman Effect’.

**Awards and Honours :-**

* In 1924, he was elected as a Fellow of the Royal Society early in his career and was knighted in 1929.
* He won the Nobel Prize in Physics in 1930.
* He was awarded the Franklin Medal in 1941.
* He was awarded the Bharat Ratna in 1954, the highest civilian award in India.
* In 1957, he was awarded the Lenin Peace Prize.
* The American Chemical Society and the Indian Association for the Cultivation of Science in 1998 recognized Raman's discovery as an International Historic Chemical Landmark.
* On 28 February every year, India celebrates National Science Day to commemorate the discovery of the Raman Effect in 1928 in his honour.

In 1970, he received a major heart attack while working in the laboratory. He took his last breath in the Raman Research Institute on 21st November, 1970.

**Books on C V Raman**

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| Remembering Our Leaders - 1: Bankim Chandra: 9788170115458: Amazon.com:  Books | **Title: Remembering our leaders. vol. 1 Author: CBT Publisher: New Delhi: Childrens Book Trust, 1989 Call No.: 954.0350924 REM  Acc. No.: CC0478** |
| Chandrasekhara Venkata Raman : Jayaraman, A. (Aiyasami), 1926- : Free  Download, Borrow, and Streaming : Internet Archive | **Title: C. V. Raman: a memoir Author: Jayaraman, A. Publisher: Bengaluru: Indian Academy of Science, 2017 Call No.: 530.092 JAY  Acc. No.: 025648** |
| https://images-na.ssl-images-amazon.com/images/P/0123869846.01.MZZZZZZZ.jpg | **Title: Infrared And Raman Spectroscopy; Principles And Spectral Interpretation  Author: Larkin, Peter Publisher: Boston: Elsevier, 2011 Call No.: 535.842 LAR  Acc. No.: 010545 - 010546** |
| https://images-na.ssl-images-amazon.com/images/P/0471743399.01.MZZZZZZZ.jpg | **Title: Infrared and Raman spectra of inorganic and coordination compounds, Part A Author: Nakamoto, Kazuo Publisher: Hoboken: John Wiley & Sons, 2009 Call No.: 543.57 NAK  Acc. No.: 003655** | |
| https://images-na.ssl-images-amazon.com/images/P/047174493X.01.MZZZZZZZ.jpg | **Title: Infrared and Raman spectra of inorganic and coordination compounds,Part B Author: Nakamoto, Kazuo Publisher: Hoboken: John Wiley & Sons, 2009 Call No.: 543.57 NAK  Acc. No.: 003656** | |
| https://images-na.ssl-images-amazon.com/images/P/0143066897.01.MZZZZZZZ.jpg | **Title: C.V. Raman : a biography Author: Parmeshwaran, Uma Publisher: New Delhi: Penguing Books, 2011 Call No.: 530.0924 PAR  Acc. No.: 010204** | |
| https://images-na.ssl-images-amazon.com/images/P/8173710082.01.MZZZZZZZ.jpg | **Title: Raman and his effect Author: Venkatraman, G. Publisher: Hyderabad: Universities Press, 1992 Call No.: 535.84619 VEN  Acc. No.: 004813** | |

**Some relevant web-resources on C. V. Raman:-**

* C.V. Raman and his work  
  <http://dspace.rri.res.in/handle/2289/1466>
* C V Raman and the American Scientists  
  <https://insa.nic.in/writereaddata/UpLoadedFiles/IJHS/Vol38_2_5_RSingh.pdf>
* C.V. Raman and image building through media    
  <https://vigyanprasar.gov.in/isw/CVRaman-and-image-building-through-media.html>
* C V Raman discovered the ‘Raman effect’  
  <http://nobelprizeseries.in/tbis/cv-raman>
* C. V. Raman and the Discovery of the Raman Effect Physics in Perspective volume 4, pages399–420(2002)  
  <https://link.springer.com/article/10.1007/s000160200002>
* Chandrasekharavenkata Raman – a memoir  
  <https://www.ias.ac.in/public/Resources/Other_Publications/e-Publications/003/Chandrasekhara_Venkata_Raman.pdf>
* ACS (2020). *C.V. Raman and the Raman Effect: International Historic Chemical Landmark.* American Chemical Society, retrieved from: <https://www.acs.org/content/acs/en/education/whatischemistry/landmarks/ramaneffect.html>
* Editors, Famous Scientists (2020). *C. V. Raman.* Famous Scientists, retrieved from: <https://www.famousscientists.org/c-v-raman/>
* Editors, Encyclopedia Britannica (2020). *C.V. Raman: Indian Physicist.* Encyclopedia Britannica, retrieved from: <https://www.britannica.com/biography/C-V-Raman>
* Indian Academy of Sciences (1988). *C.V. Raman: A Pictorial Biography.* Arvhive.org, retrieved from <https://archive.org/details/cvramanpictorial00bang/mode/2up>
* Nobelprize (1930). *Sir Chandrasekhara Venkata Raman – Biographical.* NobelPrize.org. Nobel Media AB 2020. Fri. 6 Nov 2020. Retrieved from:[*https://www.nobelprize.org/prizes/physics/1930/raman/biographical/*](https://www.nobelprize.org/prizes/physics/1930/raman/biographical/)

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