

Current Affairs

August 20

1. Spiders manipulate and exploit bioluminescent signals of fireflies *Source:* Cell Press
[https://www.cell.com/current-biology/fulltext/S0960-9822\(24\)00914-X](https://www.cell.com/current-biology/fulltext/S0960-9822(24)00914-X)
2. Morphable materials: Researchers coax nanoparticles to reconfigure themselves *Source:* University of Michigan
<https://majors.engin.umich.edu/morphable-materials-researchers-coax-nanoparticles-to-reconfigure-themselves/>
3. UC Irvine team says urban street networks, building density shape severity of floods *Source:* University of California- Irvine
<https://news.uci.edu/2024/08/19/uc-irvine-team-says-urban-street-networks-building-density-shape-severity-of-floods/>
4. Spectacular increase in the deuterium/hydrogen ratio in Venus' atmosphere *Source:* Planetary Atmospheric Physics Group
<https://pat.gp.tohoku.ac.jp/press-release-spectacular-increase-in-the-deuterium-hydrogen-ratio-in-venus-atmosphere/?lang=en>
5. Scientists discover new code governing gene activity *Source:* Washington State University
<https://news.wsu.edu/press-release/2024/08/20/scientists-discover-new-code-governing-gene-activity/>
6. Fossil hotspots in Africa obscure a more complete picture of human evolution *Source:* Columbia College of Arts & Sciences
<https://columbian.gwu.edu/fossil-hotspots-africa-obscure-more-complete-picture-human-evolution>
7. Explanation found for X-ray radiation from black holes *Source:* University of Helsinki
<https://www.helsinki.fi/en/news/space/explanation-found-x-ray-radiation-black-holes>
8. Another 9/11 could 'originate from Afghanistan' *Source:* The Express Tribune
<https://tribune.com.pk/story/2489176/another-911-could-originate-from-afghanistan>
9. The Afghan threatened the Austrian Chancellor that he would cut off his head in parliament *Source:* EurAsia Daily
<https://eadaily.com/en/news/2024/08/19/the-afghan-threatened-the-austrian-chancellor-that-he-would-cut-off-his-head-in-parliament>
10. Egypt's Sisi, Blinken discuss ways to move forward in Gaza ceasefire negotiations *Source:* Reuters
<https://www.reuters.com/world/egypts-sisi-blinken-discuss-ways-move-forward-gaza-ceasefire-negotiations-2024-08-20/>

Today In *History*

Find Out What happened On August 20

Important events of August 20

- *World Mosquito Day & Indian Akshay Urja day*
- **1828:** Raja Rammohan Roy, Rabindranath Tagore, and Kalinath Roy established Bromho Samaj, In Calcutta. *Source:* **UKM Journal Article Repository**
- **1858:** Charles Darwin first published his theory of evolution through natural selection. *Source:* **Italian Art Society**
- **1897:** Sir Ronald Ross invented the early stages of malaria parasite inside a mosquito stomach. *Source:* **National Institutes of Health (NIH)**
- **1977:** America's Voyager 2 spacecraft was launched. *Source:* **NASA Jet Propulsion Laboratory**
- **1991:** The northern European country Estonia declared its separation from the then Soviet Russian Union in 1991. *Source:* **University of Central Arkansas**