Press Release

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The July edition of the *Crystallography Times* newsletter is now online

Crystallography Times vol. 12, No. 5 from Rigaku, focusing on single crystal X-ray diffraction, is available from the company's website.

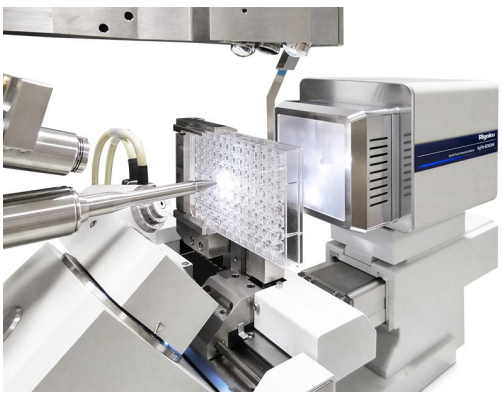
July 23, 2020 – The Woodlands, Texas. The July edition of *Crystallography Times* from Rigaku Corporation has been published and is now available on the company's global website. *Crystallography Times* - an electronic newsletter published by Rigaku focusing on single crystal X-ray diffraction - serves the X-ray analysis community, presenting current news and crystallographic research.

The new issue begins with a recap of the Asia-Pacific Edition of the Rigaku School for Practical Crystallography, a series of one-hour webinars held July 6-10 and July 13-17.

Information about the upcoming American Crystallographic Association virtual conference, as well as the Rigaku Single Crystal Online Users' Meeting, is also presented.

The "Crystallography in the News" feature, highlighting the latest developments in protein and small molecule crystallography, features news about the development, by researchers in China, of two inhibitors of the SARS-CoV-2 main protease. Another news item reports that scientists at Argonne and Oak Ridge National Laboratories have determined the structure of the 3CL main protease of SARS-CoV-2 at room temperature in order to better understand how to inhibit the viral protein.

The featured product for July is the Rigaku XtalCheck-S goniometer-mountable x,y,z stage for in situ protein X-ray diffraction. Designed for serial screening of protein crystals in their crystallization environment, it can also be used to quickly screen micropowder samples. Crystallographers can use the CrysAlis^{Pro} data collection program to screen various types of solid samples the same way they would single crystals.



Rigaku XtalCheck-S goniometer-mountable x,y,z stage for in situ protein X-ray diffraction

The “Lab in the Spotlight” feature presents the Ke Functional Materials Group. The group focuses on developing smart materials for 3D and 4D printing applications, elastic crystalline porous organic materials for energy and environmental related applications, and carbohydrate receptors for biological applications.

The July *Crystallography Times* also offers useful links to crystal-growing tips and methods, as well as a new technique for solving atomic-scale 3-D protein structures from tiny crystals. Featured videos focusing effective communication, a book review, reader survey and access to the Rigaku Oxford Diffraction user forum are also included.

Readers can subscribe to the newsletter or view the current issue online at https://www.rigaku.com/subscribe.

About Rigaku

Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on general-purpose analytical instrumentation and the life sciences. With hundreds of major innovations to their credit, Rigaku companies are world leaders in X-ray spectrometry, diffraction, and optics, as well as small molecule and protein crystallography and semiconductor metrology. Today, Rigaku employs over 1,400 people in the manufacturing and support of its analytical equipment, which is used in more than 90 countries around the world supporting research, development, and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial communities.

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