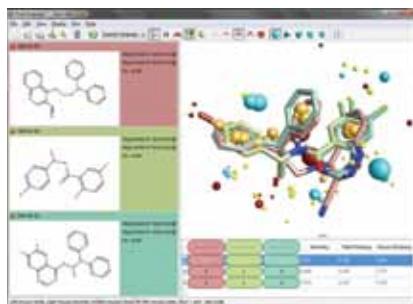


# Software & Information Technology

## Computational Chemistry Software Enhances 3D Molecule Visualization



The newest version of this computational-chemistry simulation software, Forge Version 10.1, features enhanced capabilities for viewing molecules in three dimensions. It has the ability to download protein crystal structure files and rapidly split them into protein and ligand. The software can also display multiple reference molecules during the analysis of structure-activity relationships (SARs). It streamlines the design of new compounds and the interpretation of complex SARs, and simplifies molecule comparison.

**Cresset Group**

[www.cresset-group.com](http://www.cresset-group.com)

## Production Control System Features Enhanced Batch Functions



The Centum VP R5.03 platform has several new features for enhanced process plant control and enterprise integration. Its batch package allows greater flexibility when accommodating changes in production procedures. The number of operating procedures

has been increased, which simplifies the process of making recipe changes. The platform now supports the IEC 61850 communication protocol, which promotes integration with intelligent electric devices such as protective relays, switchgears, motor controls, and power distribution equipment. A wide-area communication (WAC) router enables the Centum VP R5.03 system to remotely monitor and control equipment over a wide-area network (WAN). The WAC router compensates for limited bandwidth and transmission delays by prioritizing communications based on data type and target.

**Yokogawa**

[www.yokogawa.com](http://www.yokogawa.com)

## Mobile App Provides Tools for Membrane Separation



The Sartobind app provides mobile users with selection and training tools on membrane adsorption, as well as links to all of the literature available in the company's digital library. The product-finder feature enables users to select the appropriate membranes for capture chromatography or flow-through polishing processes. An ion exchange calculator shows the interplay between the pH and iso-

electric point of a protein. A flexible search function identifies and downloads literature based on parameters such as target molecule, membrane type, device format, and scale. The application also includes a flowrate calculator, an isoelectric point list for proteins and viruses, a comprehensive chromatography glossary, and an FAQ document.

**Sartorius Stedim Biotech**

[www.sartorius-stedim.com](http://www.sartorius-stedim.com)

## Vendor-Neutral Website Provides Information on Single-Use/Disposable Systems



SUSdocs.org provides informative documents relating to single-use/disposable systems used in the pharmaceutical, biopharmaceutical, and bioprocess industries. The vendor-neutral information on the searchable site is provided by the BioProcess Systems Alliance (BPSA), American Society of Mechanical Engineers-Bioprocessing Equipment (ASME-BPE), Parenteral Drug Association (PDA), ASTM International, and International Society of Pharmaceutical Engineers (ISPE). All documents on the site are screened to ensure that they are unbiased, informative, and educational. Example documents on the website include: "Designing the Ideal Bioreactor with Single-Use Technology," "BPSA Extractables and Leachables Guide," and "The Maturation of Single-Use Applications."

**NewAge Industries, Inc.**

[www.newageindustries.com](http://www.newageindustries.com)