

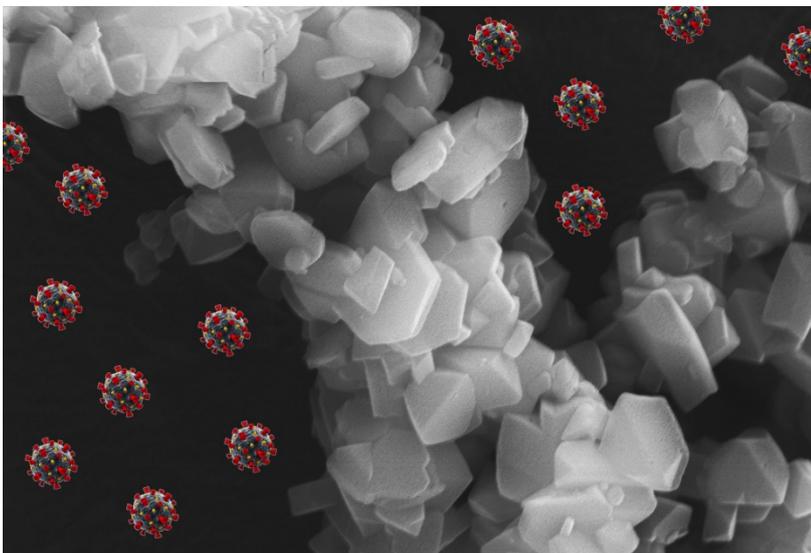
SAES® GROUP ANNOUNCES THE DEVELOPMENT OF NEW ZEOLITES EFFECTIVE AGAINST SARS-COV-2

SAES Group announces that the development of a new type of specialty zeolites for SARS-CoV-2 virus inhibition has been successfully completed.

Running the technology-intensive process played by the Corporate R&D in developing innovative materials, a new project endorsed by SAES Chief Technology and Innovation Officer, Dr. Eng. Massimo Della Porta, has been recently carried out to increase SAES contribution at the frontline of the fight against SARS-CoV-2.

Starting from the ten years' experience in designing specialty zeolites, SAES R&D team has developed innovative approaches to make zeolites effective against SARS-CoV-2 virus activity. The new development has been completely performed in SAES Labs exploiting Core technologies platform for new materials.

The materials efficacy has been then assessed by Microbiology and Virology Department, Fondazione IRCCS Policlinico San Matteo in Pavia, a biomedical institution of relevant



national interest, where zeolite dispersions were combined to SARS-CoV-2 VR10734 (virus titer 10^{-5}) solution and submitted to a standard protocol. The characterization study was completed by calculating the percentage of virus titer reduction in the presence of zeolites confirming that the newly developed SAES Specialty Zeolites, when in contact to SARS-CoV-2, are able to inhibit the virus activity.

A patent application has been filed by SAES claiming these new systems and tracing the path for a new set of functional materials. *"This is a new demonstration of SAES team ability to innovate and to design new materials with advanced characteristics"*, says Dr. Paolo Vacca, Group Research Labs Manager.

making **innovation happen**, together



About SAES Group

A pioneer in the development of getter technology, the SAES® Group is the world leader in a variety of scientific and industrial applications where stringent vacuum conditions are required. In 80 years of activity, the Group's getter solutions have been supporting technological innovation in the information display and lamp industries, in sophisticated high vacuum systems and in vacuum thermal insulation, in technologies spanning from large vacuum power tubes to miniaturized silicon-based microelectronic and micromechanical devices (MEMS). Starting in 2004, by leveraging the core competencies in special metallurgy and in the materials science, the SAES Group has expanded its business into the advanced material markets, in particular the market of shape memory alloys, a family of materials characterized by super elasticity and by the property of assuming predefined forms when subjected to heat treatment. These special alloys, which today are mainly applied in the biomedical sector, are also perfectly suited to the realization of actuator devices for the industrial sector (domotics, white goods industry, consumer electronics, automotive and luxury sector). More recently, SAES has expanded its business by developing a technological platform that integrates getter materials in a polymeric matrix. These products, initially developed for OLED displays, are currently used in new application sectors, among which implantable medical devices and solid-state diagnostics imaging. Among the new applications, the advanced food packaging is a significantly strategic one, in which SAES is offering a range of new products for sustainable packaging and aims to compete with fully recyclable and compostable solutions. A total production capacity distributed in ten facilities, a worldwide-based sale & service network and over 1,000 employees allow the Group to form a truly global enterprise. SAES Group is headquartered in the Milan area (Italy). SAES Getters S.p.A. is listed on the Italian Stock Exchange Market, STAR segment, since 1986. More information on the SAES Group is available in the website www.saesgetters.com.