

“Webinar on Biomedical Applications of Raman Spectroscopy”

Speaker - Prof. Yukihiro Ozaki, Kwansei Gakuin University, Japan

Date: May 11, 2020 Time: **13:30 (Indian time)** & **17:00 hrs (Japan Time)**



Prof. Yukihiro Ozaki received his Ph.D. in 1978 from Osaka University. He joined Kwansei Gakuin University in 1989 after spending at National Research Council, Canada and the Jikei University School of Medicine. Since 1993 he was a professor in School of Science and Technology until the end of March, 2018. Currently, Ozaki is a professor emeritus of Kwansei Gakuin University.

He has investigated a wide range of molecular spectroscopy, covering from far-ultraviolet (FUV) to far-infrared (FIR)/Terahertz spectroscopy and also Raman spectroscopy. He is a rather rare scientist who has been involved in both electronic spectroscopy and vibration spectroscopy. His spectroscopy research includes from basic studies of spectroscopy such as a theory of plasmon-enhanced Raman scattering, the development of new types of instruments to applications involving those to biomedical sciences, polymers,

and nano materials.

Ozaki received many prestigious awards including, Dasari Lecture Award (2011), George R. Harrison Spectroscopy Laboratory, MIT. Bomem-Michelson Award (2014), Chemical Society of Japan Award (2017), The Medal with Purple Ribbon (2018), and Pittsburg Spectroscopy Award (2019). Fellow of The Royal Society of Chemistry (2015).

Moreover, Ozaki received the following awards and honors from India

1. Dasari Lecture Award, IIT Kanpur (2012)
2. Memorial Award for the 90th Anniversary of the Discovery of Raman Effect (2018). Bangalore, India
3. Honorary professor, Amity University, India (2017).
4. Plenary speaker, International Conference on Raman Spectroscopy, Bangalore (2012).

Outline of Prof. Ozaki's lecture:

First he will talk about brief introduction to Raman Spectroscopy including brief stories of the discovery of Raman Effect and C. V. Raman himself. Then, he will explain general introduction to application of Raman spectroscopy to biomedical science, advantages of Raman spectroscopy for biomedical applications. Next, he will talk about my previous representative studies. 1. Raman studies of cataract formation. 2 Near-infrared excitation of Raman spectra of cancer tissues, 3. SERS applications of immunoassay and protein detection. 4. Raman Spectroscopy for Real Time Monitoring of Cancer in Live Mouse Models. Finally he will mention future aspects.

Registration – FREE (deadline – May 10, 2020 17:00 Indian Time)

Interested participant may register using the following link. Zoom link for the webinar will be send to the registered participants by e mail on May 10, 2020 itself.

<https://drive.google.com/open?id=1akQY91KcC8RQfnJf-492m8PDzxpK9AiGlXFK2j6te5Y>