

SAKURADA LABORATORY (July 1942~)

Head: Dr. Ichiro Sakurada

Sakurada Laboratory is under the direction of Prof. I. Sakurada and has been established in 1942 from Kita Laboratory. The main project covers the study on man-made fibers, and the research is being carried out in close collaboration with Tsuji Laboratory.

Vinyon, which is made from polyvinyl alcohol, is a synthetic fiber being produced on an industrial scale on the basis of the research performed in 1939 in this laboratory. Since then, the chemistry of polyvinyl alcohol has actively been studied from various standpoints in this laboratory.

Developmental research on man-made fibers has been extended to polyolefin, polyoxymethylene, collagen fibers, etc, and the spinning of polymer mixture has also been studied. Furthermore, grafting onto cotton, rayon and a variety of synthetic fibers has been a focus of the research efforts.

Another area of the research activity in the laboratory is the basic studies on polymer solutions, polymer melts and polymer solids. The study on the correlation between the elastic modulus of crystalline region and the molecular structure and conformation in polymer solids has given significant results.

Publications

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