The Institute for Applied Chemistry and Nuclear Magnetic Resonance (NMR) was established by the Chemistry Department in 1990. The purpose of this institute is to provide a research group that can focus on problems relating to applied chemistry. In addition, the funding partially supports the operation of the NMR Laboratory. The NMR instrumentation is multi-disciplinary and is used by many researchers on campus.

Members of the Institute include: Dr. R. G. Brow, Dr. A. Choudhury, Dr. N. Leventis, Dr. M. Nath, Dr. P. Reddy, Dr. T. Schuman, Dr. C. Sotiriou-Leventis, Dr. P. Stavropoulos, Dr. M. Van De Mark, and Dr. K. Woelk

The Institute promotes the study of materials and chemical solutions to practical problems in the areas of polymers, coatings, solvents, surfactants, thin films, and environmental science. The specific interest is the behavior of polymers and biopolymers, coatings, composites, and conducting materials, as well as the discovery of new types of materials by use of chemical synthesis and novel techniques. The transport of molecules in colloidal and polymer systems is being studied by several researchers. The structure and dynamics of surfactant-based systems, including micelles, microemulsions, liquid crystals, and colloidal dispersions, are being studied as well. The development of chemical processing methods and the production of nano-scale and ceramic materials are also of interest.