

areas such as alelopathy, brain mechanisms, neurophysiology, bacterial respiratory systems, digital signal processing, hormonal action mechanisms, biochemical studies of mitochondriae and bio-energetics, environmental factor evaluation on celular tissue and biological membrane studies;

- The Institute of Geophysics was created in 1945 and now has 91 members doing basic applied research and work on technological development related to mathematic models of geophysical phenomena, geohydrology, sismology, geophysical exploration, vulcanology and thermal flow, geochronology, gravimetry, remote perception, geomagnetism, earth-sun relationship, etc;
- The Institute of Geography dates back to 1933 and, with 75 members, it conducts research in physical geography, social geography, historical geography and industrial geography, including several areas within each one;
- The Institute of Geology has evolved from centers created since 1886 into the Institute since 1929. It has a personnel of 102 developing research on regional geology, paleaontology, geo-chemistry and edafology. It has a widely recognized track record in geological research worldwide;
- The Engineering Institute was officially created as such in 1976 but its activities date back to 1936 as related to research in the areas of structures and materials, applied mechanics, sismology and sismical instrumentation, geothernics, communications, environmental systems, hydraulics and engineering, aero-spacial engineering, fluid mechanics, solar energy, automatization and control and instrumentation;
- The Institute of Mathematics was founded in 1942 and with its 48 researchers does work on algebra, anaysis, geometry, logics, applied mathematics, probabilities and topology;
- The Institute of Chemistry was founded in 1941 and now has 53 members doing research in natural secondary metabolites, organic synthesis, spectroscopy, heterocyclical chemistry, theoretical chemistry, coordination compounds, metal clusters, homogenous catalysis, organometalic chemistry and structural analysis through x-ray diffraction;
- The Institute of Biomedical Research first originated in 1941 and was restructured in 1967. With its 136 members it does research on more than 50 fields including inmunolodiagnosis, vaccines, chronic degenerative diagnosis and treatment, cisticercosis, leucemia, tuberculosis, Taenia, nitrogen metabolism, artificial inteligence, production of food and pharmaceutical-related compounds, drug evaluations, molecular evolution, pollution, experimental neurology, sleep, depression and metabolic mental defficiencies to name just a few;
- The Institute of Research on Materials was created in 1967 and now has 86 members doing research in areas such as properties of the copper and zinc compound, physical metallurgy and phase transformation, electrical and magnetic properties of materials, polymer synthesis, geology, silicones for medical use, natural fibre and polymer compounds, dynamic properties of liquid crystals, polydisperse systems, polymer physics and chemistry, properties of low temperature materials,