****

**Biograph of Prof. G. Govindaraj**

**G. Govindaraj***, received his Ph. D. in the year 1987 after his M. Sc. Applied Science (Materials Science) from PSG college of Technology in the year 1980 and B.Sc. Physics, Government Arts College, Coimbatore in the year 1978, from the University of Madras. He has become* ***a Fellow******of Academy Sciences, Chennai*** *in the year 2016.*

*From 1988 to July 2019 he worked in the Department of Physics, Pondicherry University (A Central University) as a Lecturer, Reader and Professor (2002 onwards). From March 2016 onwards he worked as a Dean, School of Physical, Chemical Applied Sciences, Pondicherry University till July 2019 and superannuated. His research area is (a) material science and electrical properties of materials (b) dielectric/impedance spectroscopy and (c) dielectric relaxation in ion/electron conducting systems, glass-forming liquids, plastic crystals, pharmaceuticals, polymers, biological system. On these subjects, he has completed 13 research projects, 10 PhDs and published 141 peer reviewed papers in national, international journals 3 book chapters and several papers in conference proceedings. He has visited number of countries like Poland, Italy, France, Japan, China, Africa, Singapore, Malaysia etc. for postdoctoral work and for international seminars/conferences. As a Centre Head (10 years), Central Instrumentation Facility, PU, he has developed 25 major sophisticated analytical facilities including NavoControl Broadband Dielectric Spectrometer covering 3microHz to 3GHz with temperature range 77K to 1100K for advanced research in Dielectric/Impedance Spectroscopy in Pondicherry University.*

*Two of his research group samples XRD data recognized as international Crystallography Diffraction Data (ICDD) standard (i) ICDD-Reference #28568 (2013) (ii) ICDD-Reference #28957 (2014).*

*His major contribution is in the field Dielectric Spectroscopy. His three decades of work on dielectric physics, upgraded the concept of dipole-dipole interaction mechanism in molecular systems and amended the existing dielectric functions. The proposed dipole-dipole interaction and its consequence of growth-shrinkage mechanism of dipole moment, incorporates the most fundamental laws of physics: the conservation total energy, moment and charge of molecular system. New physical insights on molecular process are emerged on the analysis of dielectric spectra based on the proposed model. These are being described in his forth coming monograph on Dielectric/Impedance Spectroscopy: Renewed Dipole-Dipole Interaction Mechanism in the Molecular Systems.*

*His favourite scientific software is the* ***Mathematica*** *and developed many interactive programs for teaching and research. A thorough mathematics for complex dielectric/impedance functions and spectroscopy data fitting and analysis were prepared and they are under compilation.*