

# THE DISCIPLINE OF NUCLEAR CHEMISTRY

N. R. DAS\*

---

*The discovery of radioactivity in the last decade of the nineteenth century resulted in the initiation of a new fascinating field of study in chemistry involving radioactivity, namely, the Nuclear Chemistry. During the period, with a series of landmark discoveries and achievements in nuclear science, the activities in nuclear chemistry have become an important area of dynamic nuclear research in chemical science primarily dealing with the probe deeper into the subatomic particles, nuclear processes, nuclear properties, nuclear transmutation and the effects of radiation on materials. Advancement in nuclear technologies and myriad applications of radioisotopes have caused extensive diversification of the radiochemical activities in the field of chemistry and have become intermingled with many other major branches of science effecting an overall development of the discipline of nuclear chemistry. Some of the important current topics of studies in nuclear chemistry are cited.*

---