

के. एन. व्यास
K. N. Vyas



अध्यक्ष, परमाणु ऊर्जा आयोग
व
सचिव, परमाणु ऊर्जा विभाग
Chairman, Atomic Energy Commission
&
Secretary, Department of Atomic Energy

FOREWORD

There is no denying the fact that nuclear power provides a clean energy option for mitigating the energy shortfalls. In addition, its non-power applications have been equally stellar in their outcomes and benefits to the society. Government of India is committed to work towards balanced and sustainable socio-economic development of the country. To achieve this goal, the nuclear technologies can be harnessed for various non-power applications for the betterment of society.

Dr. Homi Jehangir Bhabha had realized these aspects very early and as a result BARC had initiated R&D in variety of fields in early 1960s. Today, Department of Atomic Energy, India has made great progress in development and deployment of non-power applications of nuclear technologies. These applications include health care using radio-isotopes, food security by improving crop production and the longevity of their shelf-lives using radiation, applications of radio-tracers in industry, just to name a few.

We all are aware that Government of India has initiated "Azadi ka Amrit Mahotsav" to celebrate 75 years of India's Independence. This is a countrywide campaign to bring about changes and promote activities which will add up to significant national gains. The non-power applications of nuclear technologies are targeted at benefitting society and add to the vision of Aatma Nirbhar Bharat. It is indeed heartening that the release of this book coincides with such a monumental occasion.

I must say that it is an excellent collection of all the significant non-power and societal work of nuclear technology and would be of great interest to a broad and diverse readership. I must compliment the editors of the book, Dr. A. K. Tyagi, Director, Chemistry Group, BARC and Dr. A. K. Mohanty, Director, BARC for putting in efforts for compiling all such activities carried out in BARC. I wish all the readers an enjoyable journey through this book.

(K. N. Vyas)

