

## CHALLENGES IN NUCLEAR MATERIALS

S. BANERJEE<sup>1#</sup> AND T. R. GOVINDAN KUTTY<sup>2</sup>

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*The growth of the nuclear energy programme is essentially governed by the availability of suitable nuclear materials and technologies for processing them. This article covers issues related to fissile materials, structural materials and the fuel cycle strategy for extending the fissile material inventory and at the same time shortening the radioactive life of nuclear waste. Challenges in materials development currently being faced and those to be encountered in short term and long term future are discussed.*

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