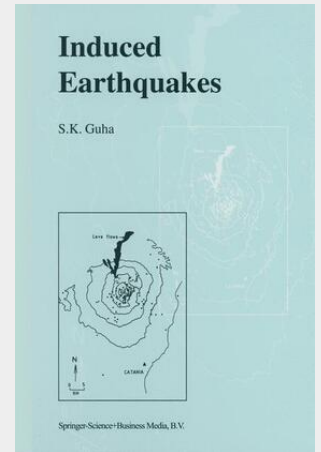


Guha

Induced Earthquakes

There are few books and long review articles on water reservoir induced seismicity, mining induced seismicity and even on volcanic seismicity but the subjects of induced seismicity following fluid extraction and nuclear explosion and seismicity associated with tidal stress in Earth have not received significant attention though there are research papers in relevant literature. Thus an attempt has been made to discuss all the known forms of induced seismicity in the present book and to bring out common features of the different phenomena causing induced seismicity. The book has six main chapters namely 2, 3, 4, 5, 6 and 7, the first and last chapters, namely 1 and 8 being introduction and overview of all forms of induced seismicity. Material in Chapters 2 and 3 is rather recent though water reservoirs and petroleum extraction processes have been in existence over many decades. But, literature on chapters 4 and 5 is available since last one century or so as volcanic process and mining operation affect nearby human habitation and mining severely due to induced seismicity associated with mining in particular. However, literature on possible induced seismicity due to tidal stress is fairly old, the same following nuclear explosion is naturally recent.

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