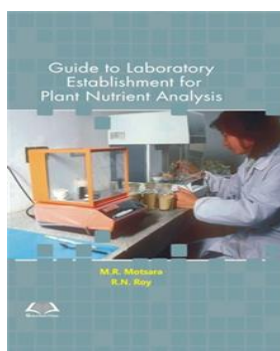


Guide to Laboratory Establishment for Plant Nutrient Analysis

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Blurb

The book provides practical guidelines on establishing laboratories for the analysis of soil, plants, water and fertilizers (mineral, organic and biofertilizers). A manual with simple procedural steps, considered most suitable to provide help to the laboratory technicians. It provides various analytical methods for estimating soil constituents with the objective of assessing soil fertility and making nutrient recommendations. It describes methods for analysing plant constituents in order to determine the contents of various nutrients and the need for their application. For assessing the quality of irrigation water, it presents standard methods for estimating the various parameters and constituents utilized, e.g. electrical conductivity, sodium adsorption ratio, residual sodium carbonate, the ratio of magnesium to calcium, and boron content. In providing the methodology for fertilizer analysis, special consideration has been given to the fact that fertilizers are often statutorily controlled commodities and are traded widely among countries. The book is useful for students of agriculture administrators and planners to establishing laboratory, and to technicians through providing detailed and precise procedures for estimations.

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