Practical Guide to Green Technology for Ground Engineering

Description: Over the last 50 years there has been rapid development of construction techniques, analytical methods and materials for use in ground engineering. One of the major techniques which has been developed is soil strengthening or reinforcement whereby man-made elements are included within geological material to provide a stabilised mass. Various products have been developed for retaining systems, slope stabilisation, etc.

More recently, environmental concerns and the focus on sustainable development have led to the examination of materials based on renewable resources for use in ground engineering.

In this book, the applications of both vegetable and man-made fibres in situations where there is a requirement for short-term ground reinforcement are examined and discussed. The use of vegetable fibre geotextiles (VFG), particularly in erosion control and soil reinforcement, is covered in detail, with examples from various civil engineering applications.

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