

## Ecological modeling – in environmental research

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**A** framework that enables us to study, for example, the consequences of human influences on ecological systems without even disturbing these is a valuable and important tool for environmental management. Models are therefore identified as important and necessary tools for studying and understanding ecological processes, testing hypotheses of the functioning of ecosystems in a systematic manner and for investigating environmental response to human impact. This makes modeling an important part of the interdisciplinary research field of environmental science. Ecological modeling is a fast developing area in the field of environmental science in which substantial progress has been achieved in recent years. User-friendly software packages, including high performance numerical tools, enable environmental scientists to code complex systems and thus study environmental processes in a systematic fashion. Modeling has become an important part of environmental research. Redundancy and a confusing diversity, however,

have been a frequent result of this development. In this attempt, the recent state of environmental modeling is presented in a concise manner, and model applications in environmental management are studied. Our environment with its dynamic and spatial processes is recognized as complex, highly interacting and spatially distributed. These properties make analyzing, describing, modeling and even simulating our environment a challenging task. Ecological modeling however is done less and less by mathematicians and more and more by practicing ecologists and environmental scientists.

### Biography

Anchal has completed her BE in Computers Science and engineering in 2018, She is specially skilled in SAS Developing, Core Java, My SQL Database. She is currently working as Application software engineer in Accenture.

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