

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Biotechnology - NOC:Environmental Biotechnology

Subject Co-ordinator - Prof. Pinaki Sar

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction of Environmental Biotechnology, Scope and applications of the subject
Lecture 2 - Introduction of Environmental Biotechnology, Scope and applications of the subject
Lecture 3 - Ecosystem : Basic concepts of structure and function
Lecture 4 - Ecosystem : Basic concepts of structure and function (Continued...)
Lecture 5 - Microbial Ecology
Lecture 6 - Microbial Ecology (Continued...)
Lecture 7 - Microbial Ecosystems and Biogeochemical Cycling
Lecture 8 - Biogeochemical Cycles
Lecture 9 - Microbial ecology and environmental biotechnology - Part A
Lecture 10 - Microbial ecology and environmental biotechnology - Part B
Lecture 11 - Microbial ecology and environmental biotechnology - Part B (Continued...)
Lecture 12 - Microbial ecology and environmental biotechnology - Part B (Continued...)
Lecture 13 - Microbial ecology and environmental biotechnology - Part C
Lecture 14 - Microbial ecology and environmental biotechnology - Part C (Continued...)
Lecture 15 - Microbial ecology and environmental biotechnology - Part C (Continued...)
Lecture 16 - Microbial Ecology and Environmental Biotechnology - Part C (Continued...)
Lecture 17 - Microbiology of Environmental Engineering System
Lecture 18 - Microbiology of Environmental Engineering System
Lecture 19 - Microbiology of Environmental Engineering System
Lecture 20 - Microbiology of Environmental Engineering System (Continued...)
Lecture 21 - Physiological Ecology and Resource Exploitation by Microorganisms
Lecture 22 - Physiological ecology and Resource Exploitation by Microorganisms (Continued...)
Lecture 23 - Physiological ecology and Resource Exploitation by Microorganisms (Continued...)
Lecture 24 - Physiological ecology and Resource Exploitation by Microorganisms (Continued...)
Lecture 25 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology
Lecture 26 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 27 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 28 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 29 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)

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Lecture 30 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 31 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 32 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 33 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 34 - Methods in Microbial Ecology with Relevance to Environmental Biotechnology (Continued...)
Lecture 35 - Bioremediation
Lecture 36 - Bioremediation (Continued...)
Lecture 37 - Bioremediation (Continued...)
Lecture 38 - Bioremediation (Continued...)
Lecture 39 - Biodegradation
Lecture 40 - Biodegradation
Lecture 41 - Biodegradation (Continued...)
Lecture 42 - Microbial Interactions with Heavy Metals and Metalloids
Lecture 43 - Microbial Interactions with Heavy Metals and Metalloids - Bioremediation
Lecture 44 - Biohydrometallurgy
Lecture 45 - Enhanced biological phosphorus removal process (EBPR)
Lecture 46 - Biological nitrogen removal
Lecture 47 - Microbially Enhanced Oil Recovery (MEOR)
Lecture 48 - Emerging Pollutants
Lecture 49 - Carbon capture, Carbon Sequestration and Utilization
Lecture 50 - Bioenergy and Environmental Biotechnology
Lecture 51 - Bioremediation case studies
Lecture 52 - Bioremediation case studies (Continued...)