1. Record Nr. UNINA9910451838403321

Titolo	An assessment of techniques for removing offshore structures [[electronic resource] /] / Committee on Techniques for Removing Fixed Offshore Structures ; Marine Board, Commission on Engineering and Technical Systems, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1996
Descrizione fisica	1 online resource (86 p.)
Disciplina	622.33819
Soggetti	Offshore structures Drilling platforms Oil well drilling rigs Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""AN ASSESSMENT OF TECHNIQUES FOR REMOVING OFFSHORE STRUCTURES""; ""Copyright""; ""MARINE BOARD""; ""Preface""; ""BACKGROUND""; ""COMMITTEE COMPOSITION AND SCOPE OF THE STUDY""; ""HOW THE STUDY WAS CONDUCTED""; ""ORGANIZATION OF THE REPORT""; ""ACKNOWLEDGMENTS""; ""REFERENCES""; ""Contents""; ""Executive Summary""; ""CONCLUSIONS""; ""RECOMMENDATIONS""; ""REFERENCE""; ""1Overview of Existing Offshore Structures and Removal Regulations""; ""EXISTING PLATFORMS""; ""Platform Types and Configurations""; ""Free-Standing Caisson with Well(s)""; ""Well-Protector Jackets"" ""Braced Caissons with Well(s)""""""Conventionally Piled Platforms with Wells""; ""Conventionally Piled Platforms without Wells""; ""Skirt-Piled Platforms""; ""Special Application Platforms""; ""CONSTRUCTION EQUIPMENT USED IN PLATFORM REMOVALS""; ""REGULATIONS, LAWS, AND PERMITS""; ""Federal Laws and Regulations""; ""Outer Continental Shelf Lands Acts""; ""National Environmental Policy Act of 1969""; ""Endangered Species Act""; ""Marine Mammals Protection Act""; ""Other Laws and Regulations""; ""Platform Removal Permit Process""; ""Rigs-to-Reef Program""; ""International Laws""; ""REFERENCES""

""2 Assessment of Cutting Techniques""""""EXPLOSIVE CUTTING TECHNIQUES""; ""Present Explosive Cutting Techniques""; ""Bulk Explosive Charges""; ""Configured Bulk Charges""; ""Cutting Charges""; ""Future Explosive Cutting Techniques""; ""Cutting Charges""; ""Fracturing Charges""; ""Other Explosive Charges""; ""NONEXPLOSIVE CUTTING TECHNIQUES""; ""Present Nonexplosive Cutting Techniques""; ""Mechanical Cutters""; ""Abrasive Cutters""; ""Diver Cuts""; ""Future Nonexplosive Cutting Techniques""; ""Hydraulic Shears""; ""Diamond Wire Cutter""; ""TECHNIQUES BEING DEVELOPED""; ""Laser Cutting"" ""Pyrotechnic Cutting""""""Cryogenics""; ""Chemical Cutters""; ""Deployment of Remotely Operated Vehicles""; ""Bubble Curtains""; ""Acoustic Devices""; ""Platform Design Considerations""; ""REFERENCES""; ""3 Technical Considerations""; ""RECENT REMOVAL PATTERNS""; ""Platform Removals by Water Depth""; ""Platform Removals by Year""; ""Platform Removal Trend""; ""TYPICAL ABANDONMENT PROCESS""; ""Removal Options""; ""Leave-in-Place Option""; ""Partial Removal Option""; ""Topple-in-Place Option""; ""Complete Removal Option""; ""Factors in Selecting Removal Methods"" ""TYPICAL PLATFORM REMOVAL COSTS""""""REFERENCES""; ""4 Environmental Assessment of Present Removal Techniques""; ""HABITAT AND ECOSYSTEMS""; ""Sea Turtles""; ""Marine Mammals""; ""Fish""; ""NONLETHAL EFFECTS OF EXPLOSIVE REMOVALS""; ""SUMMARY""; ""REFERENCES""; ""5 Summary Assessment of Explosive and Nonexplosive Technologies""; ""FINDINGS""; ""6 Conclusions and Recommendations""; ""CONCLUSIONS""; ""RECOMMENDATIONS""; ""APPENDICES""; ""Appendix A Biographical Sketches of Committee Members""; ""Appendix B Federal Register Notice and List of Respondents""; ""LIST OF RESPONDENTS"" ""Appendix C Participants in Committee Meetings""

2. Record Nr. UNINA9910424631003321

Autore	Carlberg Carsten
Titolo	Mechanisms of Gene Regulation: How Science Works / / by Carsten Carlberg, Ferdinand Molnár
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-52321-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVI, 149 p. 71 illus., 70 illus. in color.)
Disciplina	572.865
Soggetti	Medicine - Research Biology - Research Biochemistry Genetics Biomedical Research Genetics and Genomics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Central dogma of molecular biology -- Impact of chromatin structure -- Epigenetics enables gene expression -- Gene regulation in the context of nuclear architecture -- Core promoter -- TATA box and other core promoter elements -- Genome-wide core promoter identification -- TFIID and Mediator as paradigms of multi-protein complexes -- Site-specific transcription factors and their domains -- Classification of transcription factors -- Activation of transcription factors -- Programing cellular differentiation by transcription factors -- Inflammatory signaling via NF-KB -- Sensing cellular stress via p53 -- The nuclear receptor superfamily -- Molecular interactions of nuclear receptors -- Physiological role of nuclear receptors -- Next-generation sequencing -- Gene regulation in the context of Big Biology -- Exploring genome-wide transcription factor binding -- Integrating epigenome-wide datasets -- Cytosines and their methylation -- Histone modifications -- Gene regulation via chromatin modifiers -- Sensing energy metabolism via chromatin modifiers -- Epigenetics and chromatin -- Genome-wide understanding of epigenetics -- CTCF and

genetic imprinting -- Epigenetics in health and disease -- Nucleosome positioning at promoters -- Chromatin remodeling -- Transcriptional dynamics in the presence of chromatin -- Organization of the nucleus -- Non-coding RNAs -- miRNAs and their regulatory potential -- Long ncRNAs -- Enhancer RNAs.

Sommario/riassunto

This textbook aims to describe the fascinating area of eukaryotic gene regulation for graduate students in all areas of the biomedical sciences. Gene expression is essential in shaping the various phenotypes of cells and tissues and as such, regulation of gene expression is a fundamental aspect of nearly all processes in physiology, both in healthy and in diseased states. Th is pivotal role for the regulation of gene expression makes this textbook essential reading for students of all the biomedical sciences, in order to be better prepared for their specialized disciplines. A complete understanding of transcription factors and the processes that alter their activity is a major goal of modern life science research. The availability of the whole human genome sequence (and that of other eukaryotic genomes) and the consequent development of next-generation sequencing technologies have significantly changed nearly all areas of the biological sciences. For example, the genome-wide location of histone modifications and transcription factor binding sites, such as provided by the ENCODE consortium, has greatly improved our understanding of gene regulation. Therefore, the focus of this book is the description of the post-genome understanding of gene regulation.