

1. Record Nr.	UNINA9910465721103321
Autore	Laszlo Janos F.
Titolo	From microbe to man : biological responses in microbes, animals, and humans upon exposure to artificial static magnet fields / / authored by Janos F. Laszlo
Pubbl/distr/stampa	Sharjah, United Arab Emirates : , : Bentham Science Publishers, , 2016 ©2016
ISBN	1-68108-102-4
Descrizione fisica	1 online resource (377 p.)
Collana	Frontiers in Clinical Drug Research ; ; v.2
Disciplina	574.1917
Soggetti	Magnetic fields - Physiological effect 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 and index.
Nota di contenuto	CONTENTS; Foreword ; Preface ; Acknowledgement ; CONFLICT OF INTEREST; Dedication ; Introduction ; Physical Properties of Static Magnetic Fields ; MEASUREMENTS; TOOLS, SAMPLING; CONSTRAINTS, SOLUTIONS; RELEVANT INTERACTIONS IN BIOLOGY; MAGNET THERAPY, DEFINITION OF DOSE; FROM TRANSCUTANEOUS ELECTRIC NERVE STIMULATORS TO GRADIENT STATIC MAGNETIC FIELDS; PERCEPTION OF STATIC MAGNETIC FIELDS; Sources of Static Magnetic Fields, Generators ; MAGNET MATERIALS; GENERATORS 1-16; GENERATORS 17A-E; GENERATOR 18; GENERATOR 19; GENERATOR 20; GENERATOR 21; GENERATOR 22; SUMMARY In Vitro Experiments on Microorganisms STATIC MAGNETIC FIELD-EXPOSURE FAILS TO AFFECT THE VIABILITY OF DIFFERENT BACTERIA STRAINS; Preliminaries; Goals; Materials and Methods; Magnetic Exposure Conditions; Microorganism; In vitro Assay, Method of Detection; Statistical Analysis; Results; Effect of hSMF on Cell Number; Effect of iSMF on Cell Number; Comparison of Control Layers 2 and 4 in the iSMF Arrangement; Discussion, Conclusions; In Vivo Animal Experiments ; MODELS AND ASSAYS; ETHICAL ISSUES; MATERIALS; EXPERIMENTS ON INVERTEBRATES IN VIVO Pharmacological Analysis of Response Latency in the Hot Plate Test Following Whole-Body Static Magnetic Field-Exposure in the Snail Helix

Pomatia Preliminaries; Goals; Materials and Methods; Results; Discussion, Conclusions; EXPERIMENTS ON MAMMALS IN VIVO ; HEALTHY ANIMALS; Inhomogeneous Static Magnetic Field-Exposure Fails to Influence Locomotor Activity and Anxiety Behaviour in Mice; PAIN AND INFLAMMATION; Pain and Analgesia; ACUTE MODELS; Static Magnetic Field Induced Anti-Nociceptive Effect and the Involvement of Capsaicin-Sensitive Sensory Nerves in this Mechanism; Goals Materials and MethodsResults; Discussion, Conclusions; Visceral Action: The Writhing Test; Materials and Method; OPTIMIZATION OF SMF PARAMETERS; Optimization of SMF Parameters Improves Pain Inhibition in Mice; Goals; Materials and Methods; Results for Generators 1-16; Results for Generators 17-22; Discussion, Conclusions; CLINICAL MRI; 3 T clinical MRI Significantly Inhibits Pain in Mice; Preliminaries; Goals; Materials and Methods; Results; Discussion, Conclusions; LATERAL GRADIENTS

Lateral Gradients Significantly Enhance Static Magnetic Field-Induced Inhibition of Pain Responses in Mice - a Double Blind Experimental StudyGoals; Materials and Methods; Results; Discussion, Conclusions; PHARMACOLOGICAL ANALYSIS; Pharmacological Analysis of Static Magnetic Field-Induced Antinociceptive Action in the Mouse; Goals; Materials and Methods; Results; Discussion, Conclusions; CHRONIC MODELS; Exposure to Static Magnetic Field Ceases Mechanical Allodynia in Neuropathic Pain; Preliminaries; Goals; Materials and Methods; Results; Discussion, Conclusions; NEUROPATHIA DIABETICA Exposure to Static Magnetic Field Reduces Symptoms of Neuropathia Diabetica
