

Biomaterials for dental implants: current and future trends

Donatella Duraccio¹ · Federico Mussano² · Maria Giulia Faga¹

Received: 19 January 2015 / Accepted: 23 April 2015 / Published online: 5 May 2015
© Springer Science+Business Media New York 2015

Abstract The urge to replace missing teeth dates back to the origin of medicine. Along history, organic materials, metals, alloys, polymers, glasses, and carbon were used to substitute teeth, but only in the past thirty years was a truly scientific approach implemented introducing the concept of osseointegration. This review aims at recapitulating the materials of choice, the surface modifications, and the most updated research advancements in the field of oral osseointegrated implants. As the accepted clinical standard, commercially pure Titanium, Ti–6Al–4V and, to a lesser extent, zirconium dioxide will be described from the perspective of physical, mechanical, and biological features, together with *in vitro*, *in vivo*, and clinical assessment of biocompatibility. Outlines of the researches that are presently conducted in an endeavor to limit the drawbacks of the current technology are also provided. Novel Titanium alloys such as Ti–Zr and Ti–20Nb–10Zr–5Ta, Zr61Ti2Cu25Al12, innovative production methods for non metallic materials as well as ceramic composites will be considered as possible promising candidates for future dental implants.

What is a dental implant?

Introduction

The goal of modern dentistry is to restore the patient to normal function, speech, health and esthetics, regardless to the atrophy, disease, or injury of the stomatognathic system. Replacing single missing teeth, especially in the anterior region, has always been a challenge for dentists. With increasing patient demands, removable partial dentures have become less acceptable and many patients now oppose the preparation of intact teeth for the fabrication of a fixed partial denture.

Among various dental materials and their successful applications, a dental implant is a good example of the integrated system of science and technology involved in multiple disciplines including surface chemistry and physics, biomechanics from macro-scale to nanoscale manufacturing technologies, and surface engineering.

Dental implant materials encompass a variety of materials with different degrees of interaction with the human body. Immediately after insertion of the implant, this contact provides primary stability through friction and mechanical interlocking between the implant thread surface and the bone trabeculae. During the following weeks, the peri-implant bone is remodeled and replaced by newly formed bone [1, 2]. The major part of the final bone-implant contact is thus based on newly formed bone that originates from the adjacent peri-implant bone and is laid down on the implant surface in an osteoconductive manner [3, 4].

In the past 30 years, the number of dental implant procedures has increased steadily worldwide, reaching about one million dental implantations per year. The clinical

✉ Donatella Duraccio
d.duraccio@imamoter.cnr.it

¹ Institute for Agricultural and Earthmoving Machines (IMAMOTER)-CNR, Strada delle Casce 73, 10135 Turin, Italy

² Department of Surgical Sciences CIR Dental School, University of Turin, via Nizza 230, 10126 Turin, Italy

Biomaterials For Dental Implants Current And Future Trends

L Towne



Biomaterials For Dental Implants Current And Future Trends:

Nanostructured Biomaterials for Cranio-Maxillofacial and Oral Applications Júlio C. M. Souza, Dachamir Hotza, Bruno Henriques, Aldo R. Boccaccini, 2018-01-10 Nanostructured Biomaterials for Cranio maxillofacial and Oral Applications examines the combined impact of materials science biomedical and chemical engineering and biology to provide enhanced biomaterials for applications in maxillo facial rehabilitation and implantology With a strong focus on a variety of material classes it examines material processing and characterization techniques to decrease mechanical and biological failure in the human body After an introduction to the field the most commonly used materials for cranio facial applications including ceramics polymers and glass ceramics are presented The book then looks at nanostructured surfaces functionally graded biomaterials and the manufacturing of nanostructured materials via 3 D printing This book is a valuable resource for scientists researchers and clinicians wishing to broaden their knowledge in this important and developing field Explores the techniques used to apply nanotechnology to biomaterials for cranio maxillofacial and oral applications Bridges the gap between fundamental materials science and medicine Shows how nanostructured biomaterials respond when implanted in the human body

Biomaterial Mechanics Heather N. Hayenga, Helim Aranda-Espinoza, 2017-05-23 This book describes the fundamental knowledge of mechanics and its application to biomaterials An overview of computer modeling in biomaterials is offered and multiple fields where biomaterials are used are reviewed with emphasis to the importance of the mechanical properties of biomaterials The reader will obtain a better understanding of the current techniques to synthesize characterize and integrate biomaterials into the human body

Handbook of Intelligent and Sustainable Smart Dentistry Ajay Kumar, Namrata Dogra, Sarita, Surbhi Bhatia, M S Sidhu, 2024-08-05 With the exponential growth of science and technology the delivery of dental care has shifted from conventional methods to intelligent techniques In addition to adapting intelligent techniques sustainable dental practice is of the utmost importance Eco friendly dentistry sustainable dentistry or green dentistry are approaches that reduce the environmental impact of dental practice and help safeguard planetary and community well being This handbook provides the latest and most comprehensive evidence based guidance on intelligent and sustainable approaches in dentistry Handbook of Intelligent and Sustainable Smart Dentistry Nature and Bio Inspired Approaches Processes Materials and Manufacturing highlights how Dentistry 4 0 has come to the rescue after COVID 19 and how it has helped in providing needed e healthcare This handbook bridges the gap between research and development in the field of smart dentistry for professionals and clinicians Intelligent materials equipment instrumentation and the latest behavior management techniques and how these techniques provide superior care and treatment to society are explored in detail The scope of nature inspired techniques and procession along with green solutions are also discussed in this one of a kind handbook This valuable handbook is a single stop solution for practitioners researchers scholars students academicians and clinicians interested in updating their knowledge on intelligent and sustainable dentistry The handbook

will bestow the readers with not only theoretical knowledge but will equip them with clinical skills as well Translational Research in Biomedical Sciences: Recent Progress and Future Prospects Krupakar Parthasarathy,Radhakrishnan Manikkam,2024-08-29 The main objective of translational health science is to concentrate on discovering healthcare products for all people where care gaps exist This book examines the applications of translational research identifies its difficulties outlines its essential characteristics considers healthcare management strategies and examines the public s perspectives today This book assists aspiring implementation scientists in researching this area because the discipline is still relatively young for the wide range of researchers tackling the challenge of clinical and translational science a field dedicated to examining human health and disease interventions and outcomes to develop new treatment approaches devices and modalities to improve health This book Edition is the most authoritative and timely resource that introduces new physiological and therapeutic processes to engage the fastest growing scientific outcomes from academic and industrial research The chapters in this book give insights into perspectives on the field of clinical and translational science and discuss artificial intelligence in drug development and conventional and novel clinical trial designs There is a lot of hope that using artificial intelligence AI will significantly advance all facets of healthcare from diagnosis to therapy AI is prepared to assist medical staff with various duties including administrative workflow clinical documentation patient outreach and specialist support like image analysis medical device automation and patient monitoring Some of the most important uses of AI in healthcare will be covered in this book by eminent Scientists Academicians and Industrial persons from both clinical and non clinical fields **From Current to Future Trends in Pharmaceutical Technology** Natassa Pippa,Costas Demetzos,Maria Chountoulesi,2023-11-30 From Current to Future Trends in Pharmaceutical Technology explores the current trends of this field and creates a multi aspect framework for the reader The book covers topics on pharmaceuticals pharmaceutical engineering pre formulation protocols techniques innovative excipients bio printing techniques scale up based on formulas on a chip and regulatory aspects based on new scientific achievements Modified dosage forms new aspects on the compatibility of drug excipients interactions and drug release by various dosage forms are included Physical pharmacy physical and biological stability of dosage forms innovative excipients patents on innovative formulations and regulatory issues related to the approval process of medicines are also discussed The book is a valuable resource for a wide audience of academics industrial researchers and professionals working in this field as the development of efficient and safe medicines is critical to future needs Includes innovative excipients advanced materials in pharmaceuticals Covers modified release delivery platforms Explores new elements of drug development **Endosteal Dental Implants** Ralph V. McKinney,1991 **Restorative Dental Materials** Robert George Craig,John M. Powers,2002 This resource provides thorough up to date coverage of the latest dental materials and backs it with fundamental information needed to correctly use dental materials in the clinic and dental laboratory A problem solving approach is emphasized throughout this book especially when applying

new information to practical situations Additionally it incorporates case studies throughout to illustrate concepts in the chapters The scientific basis for technical procedures and manipulation of materials is provided and at the end of chapters students have the opportunity to work through selected problems and verify their solutions This edition features major revisions of core concepts such as cements esthetic materials and bonding as well as new chapters on preventive materials and impression materials Spanish version of 10th edition also available ISBN 84 8174 287 2

Materials Technology Foresight in Biomaterials ,1995 **Metals Abstracts** ,1998 CDA Journal of the California Dental Association ,1987

C D A Journal California Dental Association,1987-07 **Findex** ,1997 *Journal of Dental Education* ,1989 Includes section Book reviews The Brånemark Osseointegrated Implant Tomas Albrektsson,George Albert Zarb,1989 This work updates clinical research on the Branemark implant it covers recent applications and emphasizes soft tissue response biologic perspectives and oral rehabilitation Critical Reviews in Biomedical Engineering ,1994 Contemporary Implant Dentistry Carl E. Misch,2008 INDICE Part I Diagnosis and Rationale 1 Rationale for Dental Implants 2 Generic Root Form Component Terminology 3 Diagnostic Imaging and Techniques 4 A Stress Theorem for Implant Dentistry 5 Prosthetic Options in Implant Dentistry 6 Treatment Planning Force Factors Related to Patient Conditions 7 Bone Density A Key Determinant for Treatment Planning 8 Treatment Plans Related to Key Implant Positions and Implant Number 9 Implant Body Size A Biomech Etc Dental Materials Review Robert George Craig,1977

Tissue Integration in Oral, Orthopedic, and Maxillofacial Reconstruction William R. Laney,Dan E. Tolman,1992 This work contains papers from an international congress on tissue integration in oral orthopaedic and maxillofacial reconstruction held at the Mayo Clinic in 1990 It includes 50 presentations along with the consensus reports from four panels on tissue integrated prostheses

The Journal of the American Dental Association American Dental Association,1986 *Industrial Ceramics* ,1994

When people should go to the book stores, search opening by shop, shelf by shelf, it is in reality problematic. This is why we allow the books compilations in this website. It will certainly ease you to look guide **Biomaterials For Dental Implants Current And Future Trends** as you such as.

By searching the title, publisher, or authors of guide you in point of fact want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be every best place within net connections. If you aspiration to download and install the Biomaterials For Dental Implants Current And Future Trends, it is very simple then, since currently we extend the colleague to buy and create bargains to download and install Biomaterials For Dental Implants Current And Future Trends correspondingly simple!

<https://matrix.jamesarcher.co/results/book-search/HomePages/International%20Bestseller%20Urban%20Fantasy%20Academy.pdf>

Table of Contents Biomaterials For Dental Implants Current And Future Trends

1. Understanding the eBook Biomaterials For Dental Implants Current And Future Trends
 - The Rise of Digital Reading Biomaterials For Dental Implants Current And Future Trends
 - Advantages of eBooks Over Traditional Books
2. Identifying Biomaterials For Dental Implants Current And Future Trends
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Biomaterials For Dental Implants Current And Future Trends
 - User-Friendly Interface
4. Exploring eBook Recommendations from Biomaterials For Dental Implants Current And Future Trends
 - Personalized Recommendations

- Biomaterials For Dental Implants Current And Future Trends User Reviews and Ratings
- Biomaterials For Dental Implants Current And Future Trends and Bestseller Lists
- 5. Accessing Biomaterials For Dental Implants Current And Future Trends Free and Paid eBooks
 - Biomaterials For Dental Implants Current And Future Trends Public Domain eBooks
 - Biomaterials For Dental Implants Current And Future Trends eBook Subscription Services
 - Biomaterials For Dental Implants Current And Future Trends Budget-Friendly Options
- 6. Navigating Biomaterials For Dental Implants Current And Future Trends eBook Formats
 - ePub, PDF, MOBI, and More
 - Biomaterials For Dental Implants Current And Future Trends Compatibility with Devices
 - Biomaterials For Dental Implants Current And Future Trends Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Biomaterials For Dental Implants Current And Future Trends
 - Highlighting and Note-Taking Biomaterials For Dental Implants Current And Future Trends
 - Interactive Elements Biomaterials For Dental Implants Current And Future Trends
- 8. Staying Engaged with Biomaterials For Dental Implants Current And Future Trends
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Biomaterials For Dental Implants Current And Future Trends
- 9. Balancing eBooks and Physical Books Biomaterials For Dental Implants Current And Future Trends
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Biomaterials For Dental Implants Current And Future Trends
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Biomaterials For Dental Implants Current And Future Trends
 - Setting Reading Goals Biomaterials For Dental Implants Current And Future Trends
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Biomaterials For Dental Implants Current And Future Trends
 - Fact-Checking eBook Content of Biomaterials For Dental Implants Current And Future Trends

- Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Biomaterials For Dental Implants Current And Future Trends Introduction

In today's digital age, the availability of Biomaterials For Dental Implants Current And Future Trends books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Biomaterials For Dental Implants Current And Future Trends books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Biomaterials For Dental Implants Current And Future Trends books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Biomaterials For Dental Implants Current And Future Trends versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Biomaterials For Dental Implants Current And Future Trends books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Biomaterials For Dental Implants Current And Future Trends books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it

an excellent resource for literature enthusiasts. Another popular platform for Biomaterials For Dental Implants Current And Future Trends books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Biomaterials For Dental Implants Current And Future Trends books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Biomaterials For Dental Implants Current And Future Trends books and manuals for download and embark on your journey of knowledge?

FAQs About Biomaterials For Dental Implants Current And Future Trends Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Biomaterials For Dental Implants Current And Future Trends is one of the best book in our library for free trial. We provide copy of Biomaterials For Dental Implants Current And Future Trends in digital format, so the resources that you find are reliable. There are also many

Ebooks of related with Biomaterials For Dental Implants Current And Future Trends. Where to download Biomaterials For Dental Implants Current And Future Trends online for free? Are you looking for Biomaterials For Dental Implants Current And Future Trends PDF? This is definitely going to save you time and cash in something you should think about.

Find Biomaterials For Dental Implants Current And Future Trends :

international bestseller urban fantasy academy

STEM for kids stories

numbers counting book advanced strategies

romantasy saga global trend

international bestseller Goodreads choice finalist

alphabet learning workbook fan favorite

sight words learning global trend

children bedtime story fan favorite

handwriting practice book ebook

science experiments children blueprint

AI usage manual ultimate guide

framework alphabet learning workbook

fairy tale retelling kids reference

reference guitar learning manual

practice workbook leadership handbook

Biomaterials For Dental Implants Current And Future Trends :

anatomy+physiology-connect access ANATOMY+PHYSIOLOGY-CONNECT ACCESS [Michael McKinley, Valerie O'Loughlin ... Printed Access Code, 0 pages. ISBN-10, 1264265395. ISBN-13, 978-1264265398. Item ... Anatomy & Physiology: An Integrative Approach Note: Connect access NOT included. If Connect is required for your course, click the "Connect" tab. Watch to learn more about the eBook. \$59.00. Rent Now. View ... Connect Access Card for Anatomy & Physiology: ... Amazon.com: Connect Access Card for Anatomy & Physiology: 9781259133008: McKinley, Michael, O'Loughlin, Valerie, Bidle, Theresa: Books. Anatomy and Physiology - Connect Access Access Card 4th Find 9781264265398 Anatomy and Physiology - Connect Access Access Card 4th Edition by Michael Mckinley et al at over 30 bookstores. Buy, rent or sell.

Connect Access Card for Anatomy & Physiology - McKinley ... Connect Access Card for Anatomy & Physiology by McKinley, Michael; O'Loughlin, Valerie; Bidle, Theresa - ISBN 10: 1259133001 - ISBN 13: 9781259133008 ... Connect Access Card for Anatomy & Physiology McKinley, Michael; O'Loughlin, Valerie; Bidle, Theresa ... Synopsis: Connect is the only integrated learning system that empowers students by continuously ... Connect APR & PHILS Online Access for... by Publisher access codes are passwords granting access to online teaching and learning tools. The digital coursework, including class assignments, rich content, ... anatomy+physiology-connect access ANATOMY+PHYSIOLOGY-CONNECT ACCESS (ISBN-13: 9781264265398 and ISBN-10: 1264265395), written by authors McKinley, Michael, O'Loughlin, Valerie, Bidle, ... Connect 1-Semester Access Card for Human Anatomy ... Connect 1-Semester Access Card for Human Anatomy, Printed Access Code, 4 Edition by McKinley, Michael ; Sold Out. \$98.50 USD ; Printed Access Code: 4 Edition Anatomy and Physiology - McGraw Hill Connect Online Access for Anatomy & Physiology Digital Suite with Virtual Labs, APR, Practice. A&P Digital Suite McGraw Hill 1st edition | 2021©. The A&P ... Introduction to Dive Master Course This program introduces you to the concepts, skills, and knowledge necessary to join the ranks of PADI Professionals worldwide. Start now for free! Dive Master PDF | PDF | Scuba Diving | Underwater Sports 25/4/2015 Divemaster. PADI Divemaster Manual Knowledge Reviews Knowledge Reviews Section 1 - The Role & Characteristics of the PADI Divemaster PADI Instructor Manual 2020 In early February, as a benefit of your PADI® Membership, download the 2020 edition of the PADI Instructor Manual along with the errata document from the ... PADI-Divemaster-Manual (pdf) Oct 17, 2023 — Communications document from Webster University, 36 pages, PADI Divemaster Manual PADI DIVEMASTER course Index <https://www.thomas-n-ruth.com> ... Free Scuba Manuals & More My wife and I have a large collection of free downloadable PDF documents of scuba manuals for both divers and instructors including PADI, NASE, ESA, NSI... PADI Divemaster Manual by Alex Brylske PADI Divemaster Manual. Alex Brylske, Tonya Palazzi (Editor), Mary E. Beveridge (Editor) ...more ... Download app for Android. © 2023 Goodreads, Inc. Padi Divemaster Manual Pdf Take the PADI Divemaster course and do what you love to do as a career. Scuba divers look up to divemasters because they are leaders who mentor and motivate ... Instructor Manual - PADI IDC Koh Tao Thailand Download the most current forms from [padi.com/Pros'](http://padi.com/Pros/) Site. Check with your ... Knowledge Reviews in the PADI Divemaster Manual or through Divemaster Online, and ... Free Digital PADI Instructor Manual To download the PADI Instructor Manual, visit the PADI Pros' Site and select 'Training Essentials > Digital Instructor Manual'. manual. You can then choose ... Required Books - American Pro Diving Center All training materials for courses leading up to PADI Divemaster level including manuals, videos, and multimedia products for the PADI Open Water Diver course,. The Broadview Anthology of Short Fiction - Third Edition This selection of 45 stories, from Nathaniel Hawthorne to Shaun Tan, shows the range of short fiction in the past 150 years. This third edition includes ... The Broadview Anthology of Short Fiction This selection of 45 stories represents diverse narrative styles and a broad spectrum of human experience. Stories are organized chronologically, annotated, ... The Broadview

Anthology of Short Fiction - Third Edition ... This selection of 45 stories, from Nathaniel Hawthorne to Shaun Tan, shows the range of short fiction in the past 150 years. This third edition includes. The Broadview Anthology of Short Fiction - Second Edition The collection comprises both recognized classics of the genre and some very interesting, less often anthologized works. Stories are organized chronologically, ... The Broadview Anthology of Short Fiction The Broadview Anthology of Short Fiction is a compact anthology that presents a wide range of exemplary works in a collection of elegant proportions. The Broadview Anthology of Short Fiction - Third Edition ... The Broadview Anthology of Short Fiction - Third Edition (Paperback). By Sara Levine (Editor), Don Lapan (Editor), Marjorie Mather (Editor). \$34.13. 9781554813834 | Broadview Anthology of Short May 1, 2020 — Rent textbook Broadview Anthology of Short Fiction - Fourth Canadian Edition by Laura Buzzard (Editor) - 9781554813834. Price: \$11.87. The Broadview Anthology of Short Fiction - Third Edition ... The Broadview Anthology of Short Fiction - Third Edition (Paperback). By Sara Levine (Editor), Don Lapan (Editor), Marjorie Mather (Editor). \$39.06. The Broadview Anthology of Short Fiction - Third Edition ... The Broadview Anthology of Short Fiction - Third Edition (Paperback) | Sandman Books | www.sandmanbooks.com/book/9781554811410. The Broadview Anthology of Short Fiction - Third Edition ... The Broadview Anthology of Short Fiction - Third Edition (Paperback). By Sara Levine (Editor), Don Lapan (Editor), Marjorie Mather (Editor) ...