# Library and Information Services for Bioinformatics Education and Research

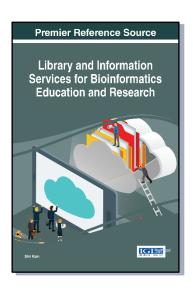
Part of the Advances in Library and Information Science Book Series

Shri Ram (Thapar University, India)

# **Description:**

The delivery and availability of information resources is a vital concern to professionals across multiple fields. This is particularly vital to data intensive professions, where easy accessibility to high-quality information is a crucial component of their research.

**Library and Information Services for Bioinformatics Education and Research** is an authoritative reference source for the latest scholarly material on the role of libraries for the effective delivery of information resources to optimize the study of biological data. Highlights innovative perspectives across a range of topics, such as user assessment, collection development, and information accessibility.



# Readers:

This publication is ideally designed for professionals, managers, computer scientists, graduate students, and practitioners actively involved in the field of bioinformatics.

ISBN: 9781522518716 Release Date: January, 2017 Copyright: 2017 Pages: 291

# **Topics Covered:**

- Collection Development
- Data Analytics
- Information Accessibility
- Information Network Analysis
- Information Retrieval
- Skill Development
- User Assessment

Hardcover + Free E-Book:

E-Book Only:

\$190.00

\$190.00

# **Order Information**

Phone: 717-533-8845 x100 Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115 Online Bookstore: www.igi-global.com



#### **Table of Contents**

#### **Foreword**

#### **Preface**

## Acknowledgment

#### Chapter 1

Biomedical Librarianship in Post Genomic Era Shubhada Prashant Bagarkar, Savitribai Phule Pune University, Pune, India

#### Chapter 2

Library Services for Bioinformatics: Establishing Synergy Data Information and Knowledge Shri Ram, Thapar University, Patiala, India

## Chapter 3

Information Needs of Bioinformatics Researchers
Manlunching Manlunching, Saha Institute of Nuclear Physics,
Kolkata, India

## Chapter 4

Bioinformatics Database Resources Icxa Khandelwal, Aditi Sharma, and Rahul Shrivastava, Pavan Kumar Agrawal, Jaypee University of Information Technology, Solan, India

## Chapter 5

Data Mining, Big Data, Data Analytics: Big Data Analytics in Bioinformatics

Priya P. Panigrahi and Tiratha Raj Singh, Jaypee University of Information Technology, India

## Chapter 6

Principles and Analysis of Biological Networks: Biological Pathways and Network Motifs
Manika Sehgal, IMTECH, Chandigarh, India,
Tiratharaj Singh, Jaypee University of Information Technology,
IN

# Chapter 7

An Overview of Biological Data Mining S. Balaji, Manipal University, Manipal, India

#### **Chapter 8**

Information Services to Biomedical Science through Mobile Technology Applications

John Paul Anbu K., University of Swaziland, Kwaluseni Campus, Swaziland

#### Chapter 9

Chapter Title Goes Here Author Name, Affiliation, Country

# Chapter 10

Information Seeking Behavior of Medical Scientists at Jawaharlal Nehru Institute of Medical Science Bobby Phuritsabam and Arambam Bidyaluxmi Devi, Manipur University, Manipur

## Chapter 11

Information Needs and Assessment of Bioinformatics Students at the University of Swaziland Librarian view Sorokhaibam Satyabati Devi & Nomsa Mathabela, University of Swaziland, Swaziland

#### Chapter 12

Research, Leadership and Resource Sharing Initiatives: The Role of Local Library Consortia in Access to Medical Information

Reysa Alenzuela, Iloilo Doctors' College, Philippines

## Chapter 13

Information Retrieval and Access in Cloud Punit Gupta and Ravi Shankar Jha, Jaypee University of Information Technology, India

#### Chapter 14

Open Access Journal in Bioinformatics Rekha Pareek, University of Kota, Near Kabir Circle, MBS Marg, Kota, Rajasthan, India Sudhir Kumar, Vikram University, Kothi Road, Ujjain, Madhya Pradesh, India

## Chapter 15

Web Resources on Zea mays: An Overview Shri Ram, Thapar University, Patiala, Punjab, India

#### **Compilation of References**

# **About the Contributors**

# Index

Shri Ram works at Thapar University. He worked as Deputy Librarian at Jaypee University of Information Technology, Solan since 2002. Earlier, he has worked at Indian Council of Medical Research, New Delhi and CEMCA India in various capacities. After completing a double Master's in Anthropology and Library and Information Science with NET, he is pursuing his PhD degree in Library and Information Science from Osmania University, Hyderabad. Recently, he has been awarded with Commonwealth Professional Fellowship at University of East London, UK. He has published more than 20 papers in different peer reviewed international and national journals and conferences of international & national repute.