

1. Record Nr.	UNINA9910704460803321
Autore	Meyer R. O (Ralph O.)
Titolo	Fuel behavior under abnormal conditions // prepared by R.O. Meyer
Pubbl/distr/stampa	Washington, D.C. : , : U.S. Nuclear Regulatory Commission, Office of Nuclear Regulatory Research, , 2013
Descrizione fisica	1 online resource (xi, 36 pages) : color illustrations
Soggetti	Nuclear fuels - Accidents - Analysis Water cooled reactors - Loss of coolant - Accidents Nuclear power plants - Accidents Nuclear reactors - Reactivity - Accidents
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Manuscript completed: April 2009." "NUREG/KM-0004." Title from title screen (viewed April 19, 2013).
Nota di bibliografia	Includes bibliographical references (pages 35-36).

2. Record Nr.	UNINA9911007474403321
Titolo	Computational Mathematics and Modelling for Diabetes // edited by Abdesslam Boutayeb, Mohamed E.N. Lamlili
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9619-25-4
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XVIII, 339 p. 64 illus., 45 illus. in color.)
Collana	Industrial and Applied Mathematics, , 2364-6845
Disciplina	003.3
Soggetti	Mathematical models Mathematics Mathematical Modeling and Industrial Mathematics Applications of Mathematics Diabetis Models matemàtics Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 A Systematic Review of Mathematical Models Dealing with Diabetes Population Dynamics -- Chapter 2 Mathematical Modelling for Glucose Homeostasis and Associated Mechanisms a State-of-the-Art Review -- Chapter 3 A Comprehensive Review of Mathematical and Data-driven Models in Glucose Homeostasis and Diabetes Pathways.
Sommario/riassunto	This book is a theoretical and pragmatic tool that applies mathematical modelling in understanding and managing diabetes and related complications such as diabetes predisposition, diabetes onset, regular glycaemic monitoring, glycated haemoglobin HbA1c, diabetes homeostasis, gestational diabetes and other associated diseases and conditions. Chapters in the book provide mathematical models dealing with the dynamics of insulin/glucose, the evolution from pre-diabetes to diabetes without and with complications, gestational diabetes and the association between diabetes and benign prostatic hyperplasia. It also applies new methods such as data mining, machine learning and deep learning. By offering pragmatic examples and comprehensive reviews on mathematical models used for diabetes, this book is useful

for advanced researchers, academic teachers, students, scientists and high pharmaceutical industry executives willing to start modelling.
