1. Record Nr. UNISA996280227303316

Titolo	Telecommunication Networks and Applications Conference, ATNAC, Australasian
Pubbl/distr/stampa	IEEE
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico

2. Record Nr. UNINA9910433244703321

Autore	Angerer Klaus
Titolo	Vermittlungsarbeit : Zur Untersuchung und Verwertung biologischer Materialien in der kommerziellen Naturstoffchemie
Pubbl/distr/stampa	Nomos Verlagsgesellschaft mbH & Co. KG, 2021
Descrizione fisica	1 online resource (564 p.)
Collana	Wissenschafts- und Technikforschung
Soggetti	Spectrum analysis, spectrochemistry, mass spectrometry
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Wie greifen in der kommerziellen Naturstoffchemie Wissensproduktion und okonomische Wertschopfung ineinander? Wie werden dabei Daten und Substanzen erzeugt und weitergegeben? Und was ist daran neuartig? Um diesen Fragen nachzugehen, verbindet das Buch Einblicke aus ethnografischer Feldforschung in einem Unternehmen mit wissenschafts- und medizinhistorischen sowie wissenschaftssoziologischen Uberlegungen zur Forschung in der chemischen und pharmazeutischen Industrie. Die Verflechtung von Wissensproduktion und okonomischer Wertschopfung wird hierbei als Vermittlungsarbeit gedeutet: Vermittelt wird ein Bundel an marktorientierten Leistungen im Umgang mit Naturstoffen, von

prosaischen Aufgaben, die Kunden abgenommen werden, hin zu spezialisierter Forschung. Abstract In which ways do knowledge production and economic value creation interact in natural product chemistry as various kinds of data and compounds are generated, analysed and circulated? And is there something new about those services offered by specialised actors? Based on an ethnographic case study in a small company and on insights from the history and sociology of science and medicine, this book investigates a series of practices which, considered as a whole, constitute a form of market-oriented intermediary work. For this purpose, highly specialised research is not enough: Mobilising a vast array of biological materials is as crucial as being able to deal with regulatory issues and offer compounds in standardised formats.

3. Record Nr. UNINA9910257378603321

Autore	Cherniha Roman
Titolo	Nonlinear Reaction-Diffusion Systems : Conditional Symmetry, Exact Solutions and their Applications in Biology / / by Roman Cherniha, Vasyl' Davydovych
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-65467-5
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIII, 160 p. 13 illus., 10 illus. in color.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 2196
Disciplina	515.353
Soggetti	Biomathematics Differential equations, Partial Mathematical physics Mathematical and Computational Biology Partial Differential Equations Mathematical Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Scalar reaction-diffusion equations – conditional symmetry, exact

solutions and applications -- 2 Q-conditional symmetries of reaction-diffusion systems -- 3 Conditional symmetries and exact solutions of diffusive Lotka–Volterra systems -- 4 Q-conditional symmetries of the first type and exact solutions of nonlinear reaction-diffusion systems -- A List of reaction-diffusion systems and exact solutions -- Index.

Sommario/riassunto

This book presents several fundamental results in solving nonlinear reaction-diffusion equations and systems using symmetry-based methods. Reaction-diffusion systems are fundamental modeling tools for mathematical biology with applications to ecology, population dynamics, pattern formation, morphogenesis, enzymatic reactions and chemotaxis. The book discusses the properties of nonlinear reaction-diffusion systems, which are relevant for biological applications, from the symmetry point of view, providing rigorous definitions and constructive algorithms to search for conditional symmetry (a nontrivial generalization of the well-known Lie symmetry) of nonlinear reaction-diffusion systems. In order to present applications to population dynamics, it focuses mainly on two- and three-component diffusive Lotka-Volterra systems. While it is primarily a valuable guide for researchers working with reaction-diffusion systems and those developing the theoretical aspects of conditional symmetry conception, parts of the book can also be used in master’s level mathematical biology courses.