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Nota di contenuto	Nanotechnology : A new era in the revolution of drug delivery, diagnosis, and treatments of diseases / Avinash P. Ingle, Patrycja Golinska, Alka Yadav, Mehdi Razzaghi-Abyaneh, Mrunali Patel, Rashmin Patel, Yulia Plekhanova, Anatoly Reshetilov, Mahendra Rai -- Selenium Nanocomposites in diagnosis, drug delivery and treatment / Irina A. Shurygina, Michael G. Shurygin -- Emerging Applications of Nanomaterials in the Diagnosis and Treatment of Gastrointestinal Disorders / Patrycja Golinska, Magdalena Wypij -- Nanotheranostics : Novel materials for targeted therapy and diagnosis / -- Sougata Ghosh, Rohini Kitture -- Aptamer-incorporated nanoparticle systems for drug delivery / Fahimeh Charbgoon, Seyed Mohammad Taghdisi, Rezvan Yazdian-Robati, Khalil Abnous, Mohammad Ramezani, Mona Alibolandi -- Application of Nanotechnology in Transdermal Drug Delivery / Dilesh Jagdish Singhavi, Shagufta Khan -- Superparamagnetic Iron Oxide Nanoparticles based Drug Delivery in Cancer Therapeutics / Dipak Maity, Atul Sudame, Ganeshlenin Kandasamy -- Virus-like nanoparticles-mediated delivery of the cancer therapeutics / -- Yasser

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Alcantara Chaud, Decio Luis Portella, Marco Vinicius Chaud --
Toxicological concerns of nanomaterials used in biomedical
applications -- Avinash P. Ingle, Indarchand Gupta, Mahendra Ra.

Sommario/riassunto

"Nanotechnology is considered as the most rapidly growing technology in the world. Considering the enormous applications of nanotechnology in various fields including biomedicine, it is believed as the beginning of a new era and industrial revolution of the twenty-first century. Nanotechnology has proved its potential of providing completely novel and unique concepts and approaches in medicine which facilitates the development of efficient, rapid and sensitive diagnosis as well as treatment strategies with the least possible interventions and almost without adverse effects"--
