

Drug discovery in Africa : impacts of genomics, natural products, traditional medicines, insights into medicinal chemistry, and technology platforms in pursuit of new drugs

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Abstrak

This book critically reviews the current status of drug discovery research and development in Africa, for diseases that are a major threat to the health of people living in Africa. It explores how the use of natural products and traditional medicines can benefit from conventional drug discovery approaches, and proposes solutions to current technological, infrastructural, human resources, and economic challenges, which are presented when attempting to engage in full-scale drug discovery. Topics addressed are varied, from African medicinal plants to marine bioprospecting, pharmacogenetics and the use of nanotechnology.