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Divided into three sections, the first describes the problem of drug resistance and the need for new drugs, while the second treats recent trends and new classes of drugs, including relevant developments in transcriptomics and proteomics leading to new antimicrobial drug discovery, and a new generation of antibiotics and non-antibiotics. The third section on natural products discusses the antibacterial action of phytocompounds, plant extracts, essential oils and honey as well as the role of probiotics in bacterial infections.

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ABOUT THE AUTHOR

Dr Iqbal Ahmad is a Reader in Agricultural Microbiology at Aligarh Muslim University, Aligarh, India. He has several years of teaching and research experience and he published 2 books (one of them by Wiley-VCH) and over 50 research papers. His current research interests include antipathogenic, anti-adherence and anti-quorum sensing activities of medicinal plants and natural products against multi-drug resistant bacteria.

Dr. Farrukh Aqil is a Lecturer in Biotechnology, Integral University, Aligarh, India. His research interests include interaction studies of natural products/phytocompounds with antibiotics and macromolecules, cytotoxicity testing of natural products and characterization of active principles from promising bioactive plant extracts. He has published over 14 research papers and 3 chapters in books.

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