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The screenshot shows the Taylor & Francis Online interface. At the top, there is a navigation bar with the journal title 'Journal of Biomolecular Structure and Dynamics' and the issue information 'Volume 38, 2020 - Issue 5'. The main article title is 'Designing of benzothiazole derivatives as promising EGFR tyrosine kinase inhibitors: a pharmacoinformatics study' by Hitesh V. Shahare & Gokul S. Talele. The page includes a sidebar with statistics (189 Views, 6 CrossRef citations, 0 Abstracts) and a bottom section with a circular stamp and a signature.

189 Views  
6 CrossRef citations to this article  
0 Abstracts

Research Articles

## Designing of benzothiazole derivatives as promising EGFR tyrosine kinase inhibitors: a pharmacoinformatics study

Hitesh V. Shahare & Gokul S. Talele

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Abstract

<https://www.tandfonline.com/doi/abs/10.1080/07391102.2019.1604264>



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The screenshot shows the Taylor & Francis Online interface. The top navigation bar includes 'Taylor & Francis Online', 'Log in', 'Register', and 'Cart'. The breadcrumb trail reads: Home > All Journals > Journal of Liquid Chromatography & Related Technologies > List of Issues > Volume 40, Issue 1 > Glycation alter serum albumin binding of... The main content area displays the article title 'Glycation alter serum albumin binding of valsartan and nateglinide when studied contemporarily' by Parvati K. Porwal and Gokul S. Talele. The article is listed as 'Original Articles' with 91 views and 2 CrossRef citations. It was accepted for publication on 17 Jan 2017 and published online on 23 Feb 2017. The page includes a 'Download citation' button and a 'Get e-mail alerts' option. At the bottom of the article page, there are links for 'Full Article', 'Figures & Data', 'References', 'Citations', 'Metrics', and 'Reprints & Permissions'. The word 'ABSTRACT' is visible at the bottom left of the screenshot.



  
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The screenshot shows a web browser window with the URL <https://academichipublishing.org/journals/home/abstract/2018/01/11/1115-1124/EGFR%20.pdf>. The page is titled "Abstract" and contains the following information:

**EGFR: An important perspective in cancer therapy**

Accepted 15<sup>th</sup> October, 2018

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**Classification:**  
Med Med Sci  
**Article**  
DOI: 10.15413/meds.2018.0124  
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**Citing Article**

**CrossRef**  
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Articles by Hitesh VS  
Articles by Gohal ST

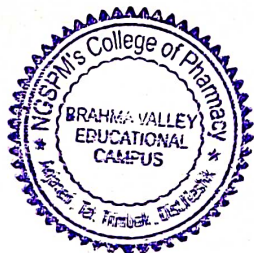
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**Abstract:**  
Cancer is the second leading cause of death in the western world. Despite advances in diagnosis and treatment, overall survival of patients remains poor. Scientific advances in recent years have enhanced our understanding of the biology of cancer. Human protein tyrosine kinases (PTKs) play a central role in human carcinogenesis and have emerged as the promising new targets. Several approaches to inhibit tyrosine kinase have been developed. These agents have shown impressive anticancer effects in preclinical studies and are emerging as promising agents in the clinic. The remarkable success of BCR-ABL tyrosine kinase inhibitor imatinib (ST1571) in the treatment of chronic myeloid leukaemia has particularly stimulated intense research in this field. In this review, we focus on the role of tyrosine kinases in cancer and the development of specific small molecule inhibitors for therapy. We also provide a critical analysis of the current data on epidermal growth factor receptor (EGFR) inhibitors and highlight areas for future research. Innovative approaches are needed to fully evaluate the potential of these agents, and a concerted international effort will hopefully help to integrate these inhibitors in cancer therapy in the near future.

**Key words:** Tyrosine kinase inhibitors, cancer, EGFR, EGF.

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