



4.2.1 Institutional Repository (IR) using DSpace

DSpace is an open-source digital repository system designed to manage, preserve, and share scholarly content in digital formats. It's commonly used by universities, colleges, research institutions, libraries, and other organizations to create digital repositories for storing and providing access to various types of content, including research papers, theses, dissertations, datasets, images, and more. Here's how DSpace software can be used in a college setting

<http://library.atmiya.net:8080/dspace>

Figure 1: Institutional Repository (IR) home page using DSpace software



Figure 2: Search the IR

DSpace Repository Login

DSpace Home → Shree M & N Virani Science College → Search

Search

Filters
Use filters to refine the search results.

Current Filters:
Author | Equals | Ladva, K. D.

New Filters:
Title | Contains

Apply

Showing 10 out of a total of 11 results for community: Shree M & N Virani Science College. (0.016 seconds)

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AN IMPROVED ASSAY METHOD FOR THE ESTIMATION OF TICAGRELOR HYDROCHLORIDE BY REVERSE PHASE LIQUID CHROMATOGRAPHY
Ambasana, M. A.; Kapuriya, N. P.; Mangtani, K. M.; Ladva, K. D. (INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH, 2016-05-01)

Mesomorphism Dependence on Molecular Structure
Travadi, J. J.; Vadodaria, M. S.; Ladva, K. D.; Doshi, A. V. (Molecular Crystals and Liquid Crystals, 2016-03-22)

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Ladva, K. D. (11) ←
Doshi, A. V. (6)
Travadi, J. J. (6)
Vadodaria, M. S. (6)
Akbari, P. M. (4)
Shah, V. R. (4)
Ambasana, M. A. (1)
Kapuriya, N. P. (1)
Mangtani, K. M. (1)

Subject
Chalcones, Pyrazoline, Antimicrobial activities (2)
Cyanopyridines, Chalcones
Malononitrile, Antimicrobial activities (2)
Enantiotropy, liquid crystal, mesomorphism, nematic, smectic

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Figure 3: Article Abstract in IR

DSpace Repository Login

DSpace Home → Shree M & N Virani Science College → Chemistry → A. Faculty Publication → Journals Articles → Journal articles of faculty → View Item

AN IMPROVED ASSAY METHOD FOR THE ESTIMATION OF TICAGRELOR HYDROCHLORIDE BY REVERSE PHASE LIQUID CHROMATOGRAPHY
Ambasana, M. A.; Kapuriya, N. P.; Mangtani, K. M.; Ladva, K. D. ←

URI: <http://hdl.handle.net/123456789/3744>
Date: 2016-05-01

Abstract:
The current investigation was carried out to develop and validate a fairly simple, accurate, precise, reproducible and robust RP-HPLC method for the estimation of Ticagrelor Hydrochloride. The separation was achieved using Agilent Infinity 1220, Infinity Fast-LC (Pressure limit up to 600 bars) with auto sampler and PDA detector. The Chromatographic analysis was performed on ZORBAX Eclipse Plus 300SB C18 (250 x 4.6mm, 5.0 micron, PN 880995-902) column. Mobile phase consist of (A) Acetonitrile; (B) 20mM Potassium dihydrogen ortho phosphate buffer (40:60 v/v) at a flow rate of 1.0 ml/min. The method showed linear in the mentioned concentrations having line equation $y = 22.848x + 1.3214$ with correlation coefficient R^2 of 0.9995. The recovery values for Ticagrelor ranged from 99.63% to 100.34%. The % RSD was 0.49% and 0.54%, respectively for intraday and interday precision. The limit of detection and limit of quantification were 0.05µg/mL and 0.20µg/mL respectively. Newly developed method was statistically validated for accuracy, precision, linearity and solution stability, hence it is directly applicable for the estimation of Ticagrelor up to trace level in routine analysis.

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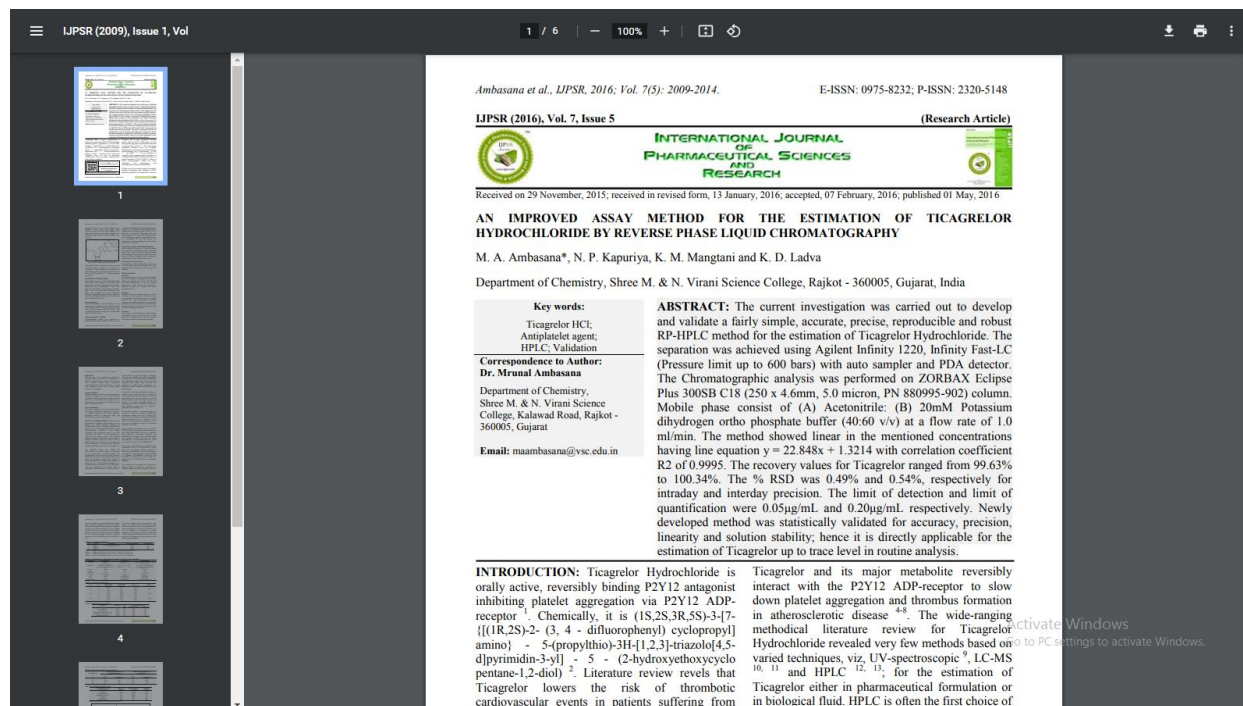
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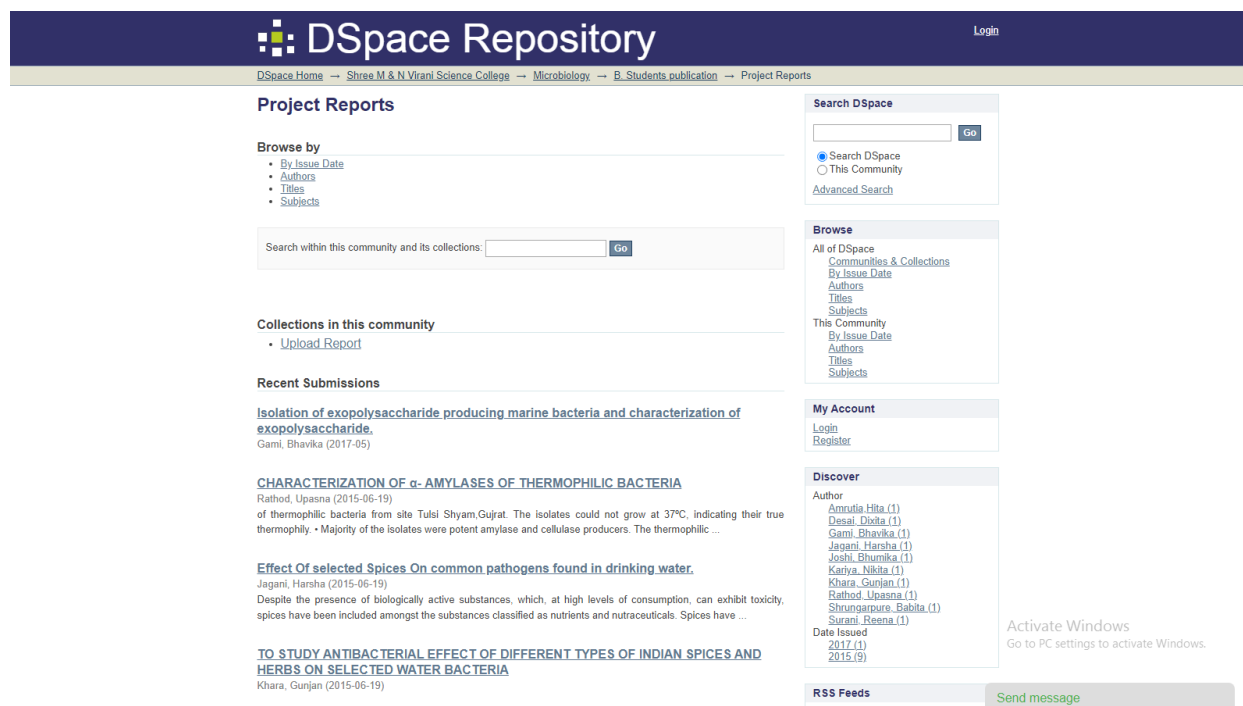
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Figure 4: Full-text Article in IR



The screenshot shows a web browser displaying a full-text article from the International Journal of Pharmaceutical Sciences and Research. The article title is "AN IMPROVED ASSAY METHOD FOR THE ESTIMATION OF TICAGRELOR HYDROCHLORIDE BY REVERSE PHASE LIQUID CHROMATOGRAPHY". The authors listed are M. A. Ambasana*, N. P. Kapuriya, K. M. Mangtani and K. D. Ladva. The article is from Volume 7, Issue 5 of the journal, published in 2016. The abstract describes the development and validation of a reverse phase HPLC method for the estimation of Ticagrelor Hydrochloride. The introduction discusses the clinical use of Ticagrelor and the need for improved assay methods. The article includes a table of contents on the left side of the page.

Figure 5: Student Project report in IR



The screenshot shows a web browser displaying a student project report in the DSpace Repository. The repository is titled "DSpace Repository" and is located at "Shree M & N Virani Science College". The page shows a search bar, a "Project Reports" section, and a list of recent submissions. The first submission is titled "Isolation of exopolysaccharide producing marine bacteria and characterization of exopolysaccharide" by Gami, Bhavika (2017-05). The second submission is "CHARACTERIZATION OF α-AMYLASES OF THERMOPHILIC BACTERIA" by Rathod, Upasna (2015-06-19). The third submission is "Effect Of selected Spices On common pathogens found in drinking water" by Jagani, Harsha (2015-06-19). The fourth submission is "TO STUDY ANTIBACTERIAL EFFECT OF DIFFERENT TYPES OF INDIAN SPICES AND HERBS ON SELECTED WATER BACTERIA" by Khara, Gunjan (2015-06-19). The page also features a "My Account" section with login and register options, and a "Discover" section with a list of authors and their publication counts.



Figure 6: Abstract Student Project report in IR

The screenshot shows the DSpace Repository interface. The main title is "CHARACTERIZATION OF α - AMYLASES OF THERMOPHILIC BACTERIA" by Rathod, Upasna. The abstract text describes the study of thermophilic bacteria from Tulsī Shyam, Gujarat, focusing on the optimization of amylase production using Response Surface Methodology (RSM) and the characterization of the resulting enzyme. The abstract mentions that the enzyme was active within a broad temperature and pH range, stable at 70°C and pH 8, and suitable for use in the detergent and starch liquefaction industries.

Figure 7: Full text Student Project report in IR

The screenshot displays the full text of the student project report. The title page is titled "CHARACTERIZATION OF α - AMYLASES OF THERMOPHILIC BACTERIA" and is a dissertation thesis submitted to Saurashtra University for the award of the degree of Master of Science in Microbiology. The author is Upasna H. Rathod, and the report is supervised by Bhavtosh A. Kikani. The report was submitted to the Department of Microbiology at Shree M.N. Virani Science College, Rajkot, Gujarat, India, for the academic year 2014-2015.