

High-level accessibility review – LAA (Liverpool University Press Platform)

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August 21, 2023



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Liverpool University Press Platform

Summary

Top 3 problems for the Liverpool University Press Platform

This high-level assessment covers limited portions and functionality of the Liverpool University Press Platform. The assessment revealed issues with assistive technology compatibility, resulting in some users missing information required to perceive and understand content, and to operate functions. It is important to keep in mind that the findings represent a high-level assessment, and do not reflect the results of a Deque Comprehensive Web Assessment.

1. **Contrast of Text** – Problems with contrast of text in default, hover and focus states results in some low vision users potentially not being able to perceive affected text-based content on the site.
2. **Non Text Contrast** – Contrast of focus indicators and of form controls is required by low vision users in order to accurately identify controls and content so that they can independently operate the controls and understand content.
3. **Roles** – When working with search results, some filter functionality is missing a semantic role which prevents users of Assistive Technology from being able to easily identify and operate the filter functions.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: <https://www.deque.com/products/axe/>.

No site-wide issues were found using automated scanning methods.

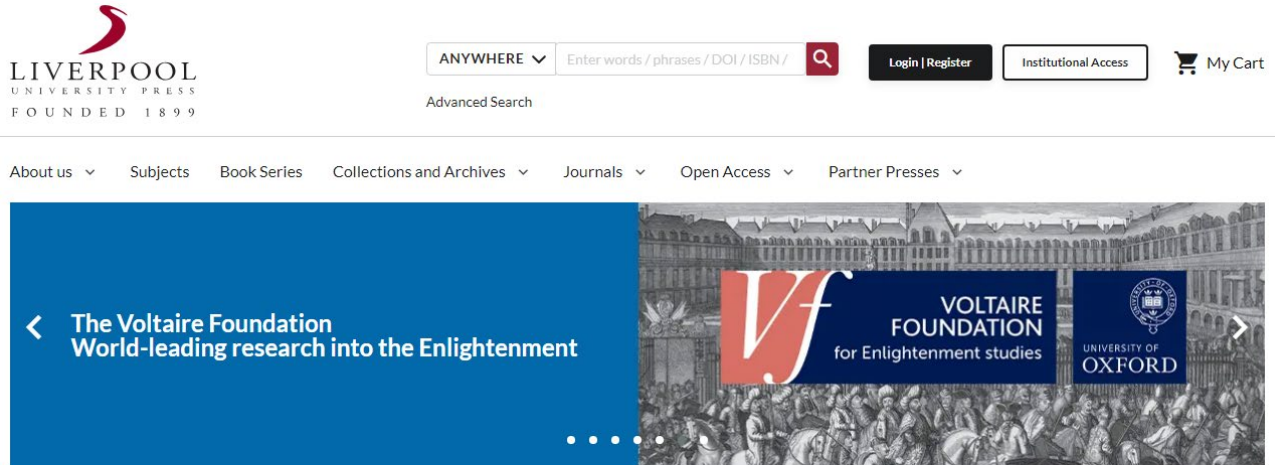
Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The ‘search’ button icon focus indicator is low in contrast. A contrast ratio of 2.1:1 was observed where a minimum 3:1 ratio is required.
2. **SC 1.4.11 AA** – The ‘Login | Register’ and ‘Institutional Access’ controls’ focus indicators are low in contrast. A contrast ratio of 2.03:1 was observed where a minimum 3:1 ratio is required.
3. **SC 1.4.3 AA** – All footer links are low in contrast in their on-focus and on-hover states. A contrast ratio of 3.83:1 was observed where a minimum 4.5:1 ratio is required.
4. **SC 1.4.3 AA** – The “Enter words / phrases / DOI / ISBN / keywords / authors / etc” placeholder text is low in contrast. A contrast ratio of 1.57:1 was observed where a minimum 4.5:1 ratio is required.

1. Landing Page

Source: <https://www-liverpooluniversitypress-co-uk.proxy.lib.umich.edu/>

Test case: Test initial interface/landing page to ensure menus, search box, images, icons, sort by, etc. are accessible.



Articles

LATEST MOST READ MOST CITED

NO ACCESS

Who Sees And Who's Seen In Graphic Medicine?

Dorothee Marx, Gesine Wegner

Automated findings using Axe

No issues were found through automated methods.

Additional manual findings using NVDA screen reader

1. **SC 2.4.7 AA** – All cards in the carousel are missing a clearly visible focus indicator when they receive focus.
2. **SC 1.4.3 AA** – The 'Revista Iberoamericana - Browse the latest issue online now >' content is low in contrast. A contrast ratio of 1.92:1 was observed where a minimum 3:1 ratio is required.
3. **SC 1.4.3 AA** – The 'Celebrating LUP Open Planning success for 2023 - Leading planning journals now available Open Access' content is low in contrast. A contrast ratio of 1.86:1 was observed where a minimum 3:1 ratio is required.
4. **SC 1.4.3 AA** – The 'Browse our Spring/Summer 2023 catalogue' content is low in contrast. A contrast ratio of 2.67:1 was observed where a minimum 3:1 ratio is required.
5. **SC 1.4.3 AA** – The 'The Littman Library of Jewish Civilization - Europe's leading Jewish Studies publisher' content is low in contrast. A contrast ratio of 1.21:1 was observed where a minimum 3:1 ratio is required.
6. **SC 1.4.11 AA** – The 'carousel dots' that allow users to jump to any slide that they wish do not consistently provide the minimum required 3:1 contrast ratio. When the white dot is against a light-colored background, the contrast is too low.
7. **SC 1.4.11 AA** – When the 'currently selected carousel dot' is against a dark-color background, the dot does not consistently provide the minimum required 3:1 contrast ratio.
8. **SC 1.4.11 AA** – When the 'next' and 'previous' arrow controls are against a light-colored background, the icons do not consistently provide the minimum required 3:1 contrast ratio.

2. Search Results

Source: [https://www-liverpooluniversitypress-co-](https://www-liverpooluniversitypress-co-uk.proxy.lib.umich.edu/action/doSearch?AllField=Bede&target=titleSearch)

[uk.proxy.lib.umich.edu/action/doSearch?AllField=Bede&target=titleSearch](https://www-liverpooluniversitypress-co-uk.proxy.lib.umich.edu/action/doSearch?AllField=Bede&target=titleSearch) [URL TRUNCATED]

Test case: From the initial landing page, conduct a search for: Bede. Test results page, including Filter and sort by options. View “Books/Journals” results. Sort by Relevance.

The screenshot shows the Liverpool University Press search results page for the query 'Bede'. The page features a dark red header with the Liverpool University Press logo and navigation links. A search bar is prominently displayed with the query 'Bede' and a search button. Below the search bar, there are filters for 'PUBLICATION DATE' and 'BOOK SERIES'. The main results section shows 'Articles (324)' and 'Books/Journals (11)'. The 'Books/Journals' section is expanded, showing a result for 'Bede: On Genesis' by Calvin B. Kendall, published on 1 Mar 2008. The result includes a book cover image and ISBN information. The page also displays options for 'Per Page' (10, 20, 50) and 'Sort By' (Relevance).

Automated findings using Axe

1. **SC 1.4.3 AA** – The ‘Articles (324)’, ‘Results:’ and ‘of’ content is low in contrast. A contrast ratio of 3.74:1 was observed where a minimum 4.5:1 ratio is required.
2. **SC 1.4.3 AA** – The ‘10’ and ‘50’ content (in the ‘Per Page’ section) is low in contrast. A contrast ratio of 2.56:1 was observed where a minimum 4.5:1 ratio is required.
3. **SC 1.4.3 AA** – The ‘Full Access’ content is low in contrast. A contrast ratio of 2.86:1 was observed where a minimum 4.5:1 ratio is required.
4. **SC 1.4.3 AA** – The ‘Open Access’ content is low in contrast. A contrast ratio of 2.58:1 was observed where a minimum 4.5:1 ratio is required.

Additional manual findings using NVDA screen reader

1. **SC 3.2.2 A** – When a keyboard user interacts with the publication date widget, the page automatically reloads even though the user may not yet be done adjusting the widget value.
2. **SC 1.4.11 AA** – The focus indicator for the ‘search’ button is low in contrast and does not meet the minimum 3:1 contrast ratio.
3. **SC 1.4.11 AA** – The visible boundary for the slider handle is low in contrast and does not meet the minimum 3:1 contrast ratio.
4. **SC 4.1.2 A** – The slider widget is missing a semantic role of a slider, along with required ARIA attributes to support that role.
5. **SC 2.4.6 AA** – The slider handles are missing an appropriate programmatic label. The current label reads, “Slider 15”.
6. **SC 2.5.3 A** – The “Articles (324)” and “Books/Journals (11)” links are missing their complete visible text in their programmatic label.

7. **SC 4.1.2 A** – The ‘Refine Search’ control is missing a programmatic indication of its expanded/collapsed state.
8. **SC 1.4.1 A** – Color alone is used to visually indicate the ‘currently selected’ per page setting, without another visual method that does not rely on color alone.
9. **SC 4.1.2 A** – The currently selected “per page” setting is visually identified but not programmatically defined.
10. **SC 1.1.1 A** – The alt attribute value for all linked cover images are not appropriately described as they contain HTML markup.

3. Individual Search Result

Source: <https://www-liverpooluniversitypress-co-uk.proxy.lib.umich.edu/doi/book/10.3828/9781846310881>

Test case: Test individual search result landing page for “Bede: On Genesis” & test the PDF/Epub link

The screenshot shows the Liverpool University Press website interface. At the top left is the Liverpool University Press logo with the text 'FOUNDED 1899'. To the right are navigation links: 'ANYWHERE', 'BOOKS', 'JOURNALS', 'Login | Register', 'Institutional Access', and 'My Cart'. Below these is an 'Advanced Search' field. A horizontal menu contains: 'About us', 'Subjects', 'Book Series', 'Collections and Archives', 'Journals', 'Open Access', and 'Partner Presses'. The main content area features a 'Full Access' indicator, the title 'Bede: On Genesis', and publication details: 'Published on 01 March 2008 • 371 pages', 'Medieval Studies – Ancient History & Classics', and ISBNs. It also lists the author 'Bede, Calvin B. Kendall' and provides a link to the 'Translated Texts for Historians E-Library Free Trial'. There are buttons for 'PDF/Epub', 'TOOLS', and 'SHARE'. A sidebar on the right shows the book cover for 'On Genesis BEDE' with the subtitle 'Translated with an introduction and notes by Calvin Kendall'. Below the main content are tabs for 'ABOUT THIS BOOK', 'ABOUT THE AUTHORS', and 'REVIEWS'. A paragraph of text begins with 'This is the first English translation of the Venerable Bede's commentary on the book of Genesis. Dealing as it does with the biblical account of the creation of the world and of mankind, and of'

Automated findings using Axe

1. **SC 1.4.3 AA** – The ‘Full Access’ content is low in contrast. A contrast ratio of 2.86:1 was observed where a minimum 4.5:1 ratio is required.
2. **SC 1.4.3 AA** – The ‘PDF/E-Pub’ content is low in contrast. A contrast ratio of 3.74:1 was observed where a minimum 4.5:1 ratio is required.

Additional manual findings using NVDA screen reader

No issues were found using NVDA screen reader

4. Advanced Search

Source: <https://www.liverpooluniversitypress-co-uk.proxy.lib.umich.edu/search/advanced>

Test case: Test the advanced search page, click on “Advanced Search”

The screenshot shows the Liverpool University Press Advanced Search interface. At the top left is the Liverpool University Press logo. To the right are navigation links: 'ANYWHERE', 'Enter words / phrases / DOI / ISBN /', a search icon, 'Login | Register', 'Institutional Access', and 'My Cart'. Below this is a horizontal navigation menu with links: 'About us', 'Subjects', 'Book Series', 'Collections and Archives', 'Journals', 'Open Access', and 'Partner Presses'. The main content area has a dark red header with the text 'Advanced Search'. Below this are four tabs: 'ADVANCED SEARCH' (active), 'CITATION SEARCH', 'SEARCH HISTORY', and 'SAVED SEARCHES'. The search form includes a search scope dropdown (set to 'Anywhere'), a search input field with the placeholder 'Enter Search term', a 'Published in' field with the placeholder 'e.g. Journal of Theoretical Biology', and a 'Publication Date' section with a radio button selected for 'All Dates'. On the right, a 'Search Tips' box contains information about Boolean searches and searching for authors.

Automated findings using Axe

No issues were found through automated methods.

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The ‘Enter Search term’ and “e.g. Journal of Theoretical Biology” placeholder text is low in contrast. A contrast ratio of 2.68:1 was observed where a minimum ratio of 4.5:1 is required.
2. **SC 3.3.2 A** – The ‘Select search in area’ drop down is missing a visible label.
3. **SC 3.3.2 A** – the ‘Enter search term’ visible label is no longer available after a user interacts with the control.
4. **SC 1.4.11 AA** – The visible boundary for all radio input controls is low in contrast. A contrast ratio of 1.57:1 was observed where a minimum 3:1 ratio is required.
5. **SC 1.4.11 AA** – The focus indicator for all radio input controls is low in contrast and does not meet the minimum required 3:1 contrast ratio.
6. **SC 1.3.1 A** – The ‘Publication Date’ group label is not programmatically associated with the radio inputs.

5. Advanced Search - Results

Source: <https://www-liverpooluniversitypress-co-uk.proxy.lib.umich.edu/action/doSearch?field1=Contrib&text1=Glenda+Browne&publication=&Ppub=&AfterMonth=1&AfterYear=1996&BeforeMonth=1&BeforeYear=1998&access=on>

Test case: Search for Author: Glenda Browne and Publication date range: 1996 to 1998

The screenshot shows the Liverpool University Press website search interface. At the top, there is a navigation bar with links for 'About us', 'Subjects', 'Book Series', 'Collections and Archives', 'Journals', 'Open Access', and 'Partner Presses'. Below this is a search bar with the text 'Glenda Browne' and a search button. To the right of the search bar are buttons for 'Login | Register', 'Institutional Access', and 'My Cart'. The main search area is highlighted in a dark red banner with the word 'Search' and a search button. Below the search bar, there are 'APPLIED FILTERS' for '1996 - 1998' and 'ARTICLE TYPE' for 'Research Article'. The search results section shows 'Articles (1)' with 'Results: 1 - 1 of 1'. The article title is 'Professional liability of indexers' by 'Glenda Browne', published in 'The Indexer' in January 1996. The URL is <https://doi-org.proxy.lib.umich.edu/10.3828/indexer.1996.20.2.4>.

PUBLICATION DATE

Automated findings using Axe

1. **SC 1.4.3 AA** – The ‘Results:’ and ‘of’ content is low in contrast. A contrast ratio of 3.74:1 was observed where a minimum 4.5:1 ratio is required.
2. **SC 1.4.3 AA** – The ‘10’ and ‘50’ content (in the ‘Per Page’ section) is low in contrast. A contrast ratio of 2.56:1 was observed where a minimum 4.5:1 ratio is required.

Additional manual findings using NVDA screen reader

Did not complete due to insufficient time.

6. Advanced Search – Article

Source: <https://www-liverpooluniversitypress-co-uk.proxy.lib.umich.edu/doi/10.3828/indexer.1998.21.2.12>

Test case: Select article “Updike on indexing.” Choose “View PDF” and/or “Download PDF” (both options exist separately on the item page and operate differently)

The screenshot shows the Liverpool University Press website interface. At the top left is the Liverpool University Press logo with the text 'FOUNDED 1899'. To the right is a search bar with a dropdown menu set to 'ANYWHERE', a search input field containing 'Enter words / phrases / DOI / ISBN /', and a search button. Further right are buttons for 'Login | Register', 'Institutional Access', and 'My Cart'. Below the search bar is a navigation menu with links for 'About us', 'Subjects', 'Book Series', 'Collections and Archives', 'Journals', 'Open Access', and 'Partner Presses'. A dark navigation bar contains 'JOURNAL HOME', 'ISSUES', and 'CURRENT ISSUE'. The breadcrumb trail reads 'Home → The Indexer → Vol. 21, No. 2 → Updike on indexing'. The article title 'Updike on indexing' is prominently displayed, with a 'FREE ACCESS' badge and the date '10 January 1998'. Below the title are author names 'Christine Shuttleworth and Glenda Browne' and a link to 'AUTHORS INFO & AFFILIATIONS'. The publication information is 'The Indexer: The International Journal of Indexing • Volume 21, Number 2' with the DOI link 'https://doi-org.proxy.lib.umich.edu/10.3828/indexer.1998.21.2.12'. A sharing bar includes 'Share', 'PDF', and 'OTHER FORMATS' buttons. A 'Formats available' section states 'You can view the full content in the following formats:' followed by a partially visible 'PDF' button.

Automated findings using Axe

1. **SC 1.4.3 AA** – The ‘Free Access’ content is low in contrast. A contrast ratio of 3.1:1 ratio was observed where a minimum 4.5:1 ratio is required.
2. **SC 1.4.3 AA** – The ‘PDF’ and ‘View PDF’ content is low in contrast. A contrast ratio of 3.48:1 was observed where a minimum 4.5:1 ratio is required.

Additional manual findings using NVDA screen reader
Did not complete due to insufficient time.