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

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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

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/](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.

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-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.

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

**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”

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

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


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)

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.