

# External Access API

Using the [OpenSearch 1.1 specification](#), and the following OpenSearchDescription, external entities may perform searches on our databases.

```
<?xml version="1.0" encoding="UTF-8"?>
<OpenSearchDescription xmlns="http://a9.com/-/spec/opensearch/1.1/">
  <ShortName>Scholars Portal Search</ShortName>
  <Description>Use api.scholarsportal.info to search our repository of electronic journals.</Description>
  <Url type="application/atom+xml"
    template="http://api.scholarsportal.info/journals/opensearch/1.1/search.xqy/?q={searchTerms}&p=
{startPage?}&c={count?}" />
  <Contact>api@scholarsportal.info</Contact>
  <Query role="example" searchTerms="water" />
  <SyndicationRight>limited</SyndicationRight>
  <AdultContent>>false</AdultContent>
  <InputEncoding>UTF-8</InputEncoding>
  <OutputEncoding>UTF-8</OutputEncoding>
</OpenSearchDescription>
```

Results will be generated [Atom feeds](#) (see [Atom format](#) and [protocol](#)).

As indicated by the OpenSearchDescription, the api will look for three parameters: *q*, *p*, and *c*:

- q* – the search query (required)
- p* – the result page number to return (optional, defaults to 1)
- c* – the number of results per page to return (optional, defaults to 10)

Here is an example HTTP query:

<http://api.scholarsportal.info/journals/opensearch/1.1/search.xqy?q=water>

And the resulting xml, illustrating the structure of the response:

```
<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns="http://www.w3.org/2005/Atom" xmlns:os="http://a9.com/-/spec/opensearch/1.1/"
  xmlns:sp="http://scholarsportal.info/metadata">
  <id>http://api.scholarsportal.info/journals/opensearch/1.1/</id>
  <title>OCUL Scholars Portal EJournals OpenSearch 1.1</title>
  <updated>2009-07-20T18:38:40.448072-04:00</updated>
  <link rel="self"
    href="http://api.scholarsportal.info/journals/opensearch/1.1/search.xqy?q=water&amp;p=1&amp;c=10" />
  <link rel="next"
    href="http://api.scholarsportal.info/journals/opensearch/1.1/search.xqy?q=water&amp;p=2&amp;c=10" />
  <author>
    <name>OCUL Scholars Portal</name>
    <email>info@scholarsportal.info</email>
    <uri>http://www.scholarsportal.info</uri>
  </author>
  <os:totalResults>932027</os:totalResults>
  <os:itemsPerPage>10</os:itemsPerPage>
  <os:Query role="request" searchTerms="water" startPage="1" count="10" />
  <entry>
    <id>http://journals.scholarsportal.info/details.xqy?uri=/03783774/v95i0009/1067_cooiofgrrcit.xml</id>
    <title>Challenges of optimal implementation of formal water rights systems for irrigation in
      the Great Ruaha River Catchment in Tanzania</title>
    <updated>2008-09-01T00:00:00Z</updated>
    <link rel="alternate"
      href="http://journals.scholarsportal.info/details.xqy?uri=/03783774/v95i0009/1067_cooiofgrrcit.xml"
    />
    <content type="application/xml">
      <result n="1" xmlns="http://scholarsportal.info/metadata">
        <article>
          <id>/03783774/v95i0009/1067_cooiofgrrcit</id>
          <link rel="alternate"
            href="http://journals.scholarsportal.info/details.xqy?uri=/03783774/v95i0009
/1067_cooiofgrrcit.xml" />
          <title>Challenges of optimal implementation of formal water rights systems for
            irrigation in the Great Ruaha River Catchment in Tanzania</title>
```

```
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<publication-date>2008-09-01</publication-date>
<load-date>2009-05-02</load-date>
<authors>
  <author>
    <givenname>Kossa R.M.</givenname>
    <surname>Rajabu</surname>
  </author>
  <author>
    <givenname>Henry F.</givenname>
    <surname>Mahoo</surname>
  </author>
</authors>
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  <keyword>Over-abstraction</keyword>
  <keyword>Water management</keyword>
  <keyword>Water right grant</keyword>
  <keyword>Water use permit</keyword>
  <keyword>Water users' fees</keyword>
</keywords>
</article>
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  <issn-epub/>
  <link rel="alternate"
    href="http://journals.scholarsportal.info/journal.xqy?uri=/03783774"/>
  <title>Agricultural Water Management</title>
  <volume>95</volume>
  <issue>9</issue>
  <publisher>Elsevier</publisher>
</journal>
</result>
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```