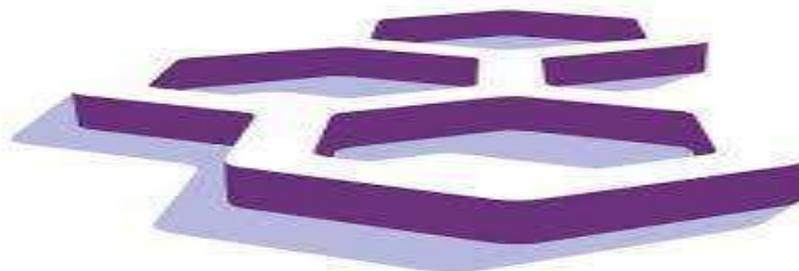




User Manual:

Web-based searching of chemistry databases from Chemical Abstracts Service.



Content page

1. About SciFinder.
2. How do new users register for SciFinder-n?
3. How can Students, Research Scholar and faculty access SciFinder-n?
4. How to use SciFinder-n database?
5. Helpful links.
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1. About SciFinder-n:

SciFinder is a research discovery application that provides integrated access to the world's most comprehensive and authoritative source of references, substances and reactions in chemistry and related sciences.

Databases include:

- CAPLUS = CHEMICAL ABSTRACTS: Patent and journal references from many scientific disciplines
- CAS REGISTRY: Substance information
- CASREACT: Chemical synthesis information
- CHEMLIST: Regulated chemicals information
- CHEMCATS: Commercially available substances

Access:

To access SciFinder-n you need to register (create a personalized username and password) from a computer with a IIT(BHU), Varanasi affiliated IP address. Please use your Institute affiliated email (e.g. @itbhu.ac.in or @iitbhu.ac.in). Once you have registered and created your username and password you may then login from any computer with access to the internet using the Main Library SciFinder-n access link.

Technical Information:

[Use this link for technical requirements](#)

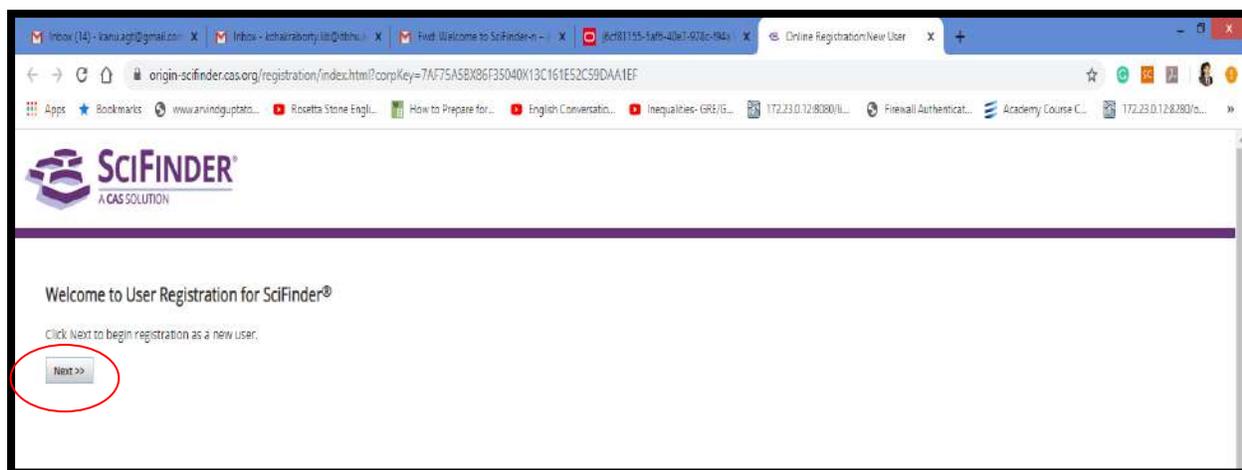
2. How do new users register for SciFinder-n?

New users will register for SciFinder-n with their Institutional email address; please follow the steps:

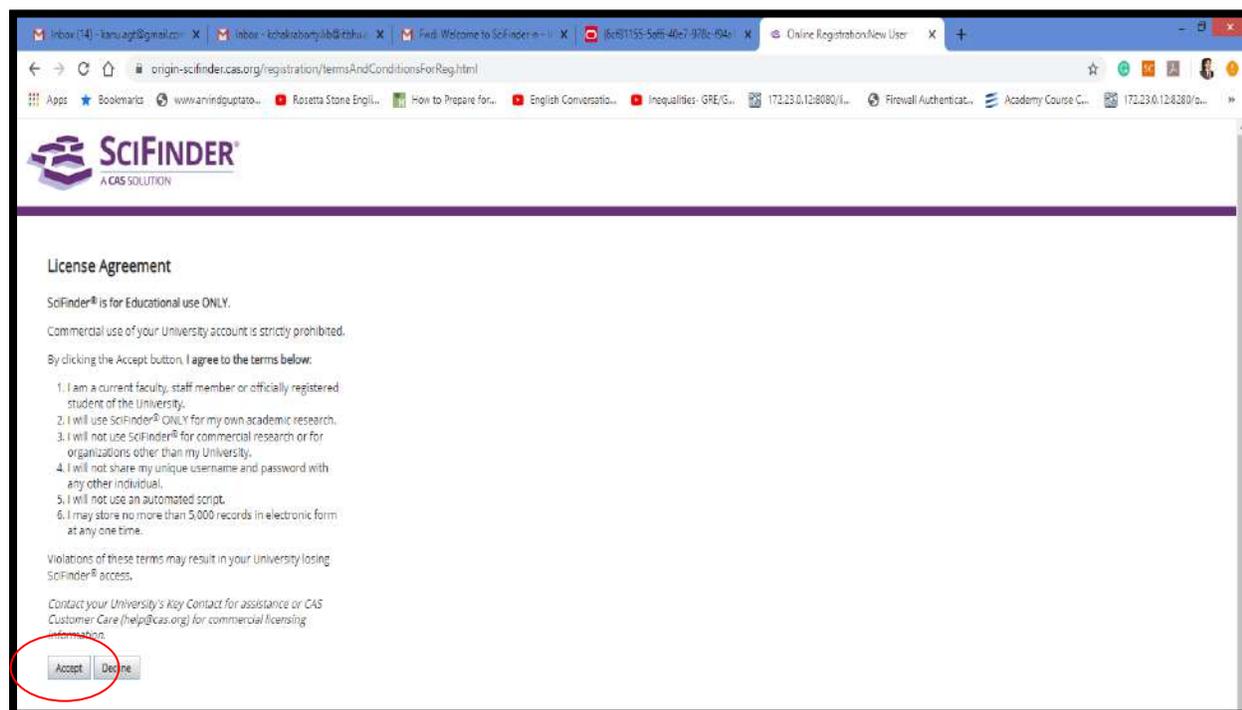
Step 1: [Click here](#) for registration, automatically will open a browser, or scan the QR code to open directly.



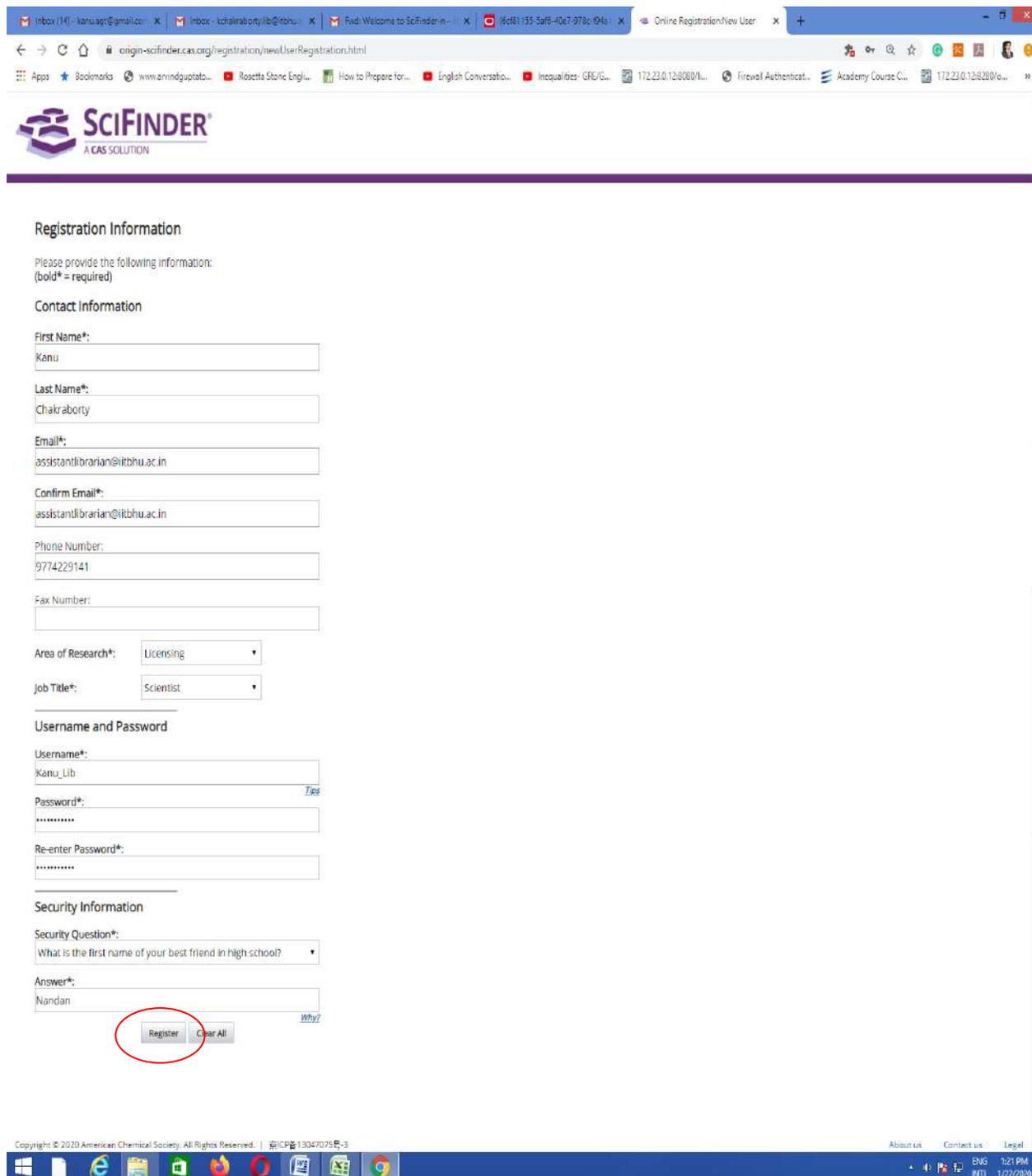
Step 2: Click on **Next** button.



Step 3: Will open the License Agreement page, click on the **Accept** button.



Step 4: In Registration Information page provide your details also create a user name and password for login. Also, provide the answer to a security question. Then click on the **Register** button.



The screenshot shows the SciFinder registration page in a web browser. The page title is "Registration Information" and it asks the user to provide the following information (bold* = required):

- Contact Information:**
 - First Name*: Kanu
 - Last Name*: Chakraborty
 - Email*: assistantlibrarian@iitbhu.ac.in
 - Confirm Email*: assistantlibrarian@iitbhu.ac.in
 - Phone Number: 9774229141
 - Fax Number: (empty)
 - Area of Research*: Licensing
 - Job Title*: Scientist
- Username and Password:**
 - Username*: Kanu_Lib
 - Password*: (masked with dots)
 - Re-enter Password*: (masked with dots)
- Security Information:**
 - Security Question*: What is the first name of your best friend in high school?
 - Answer*: Nandan

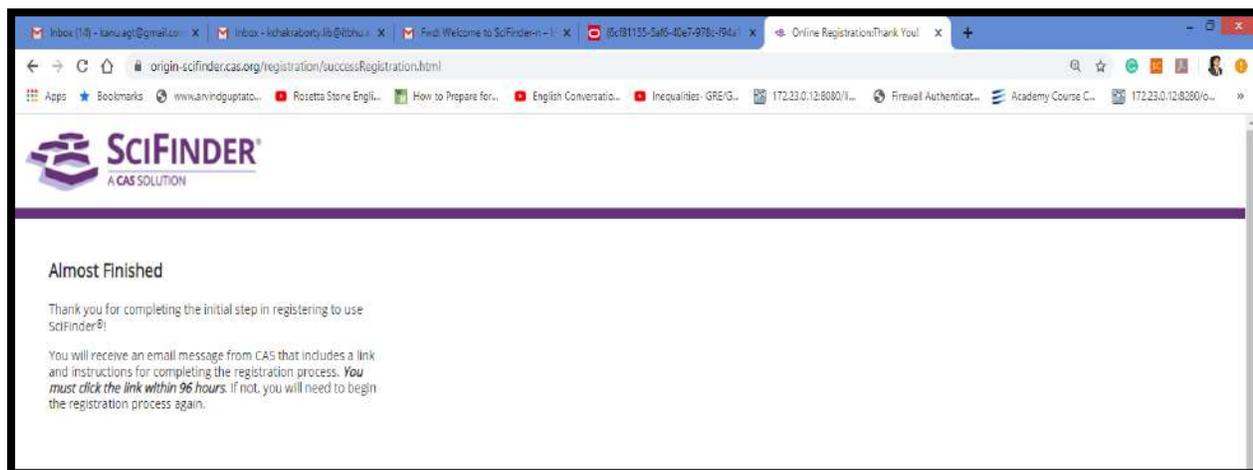
At the bottom of the form, there are two buttons: "Register" and "Clear All". The "Register" button is circled in red.

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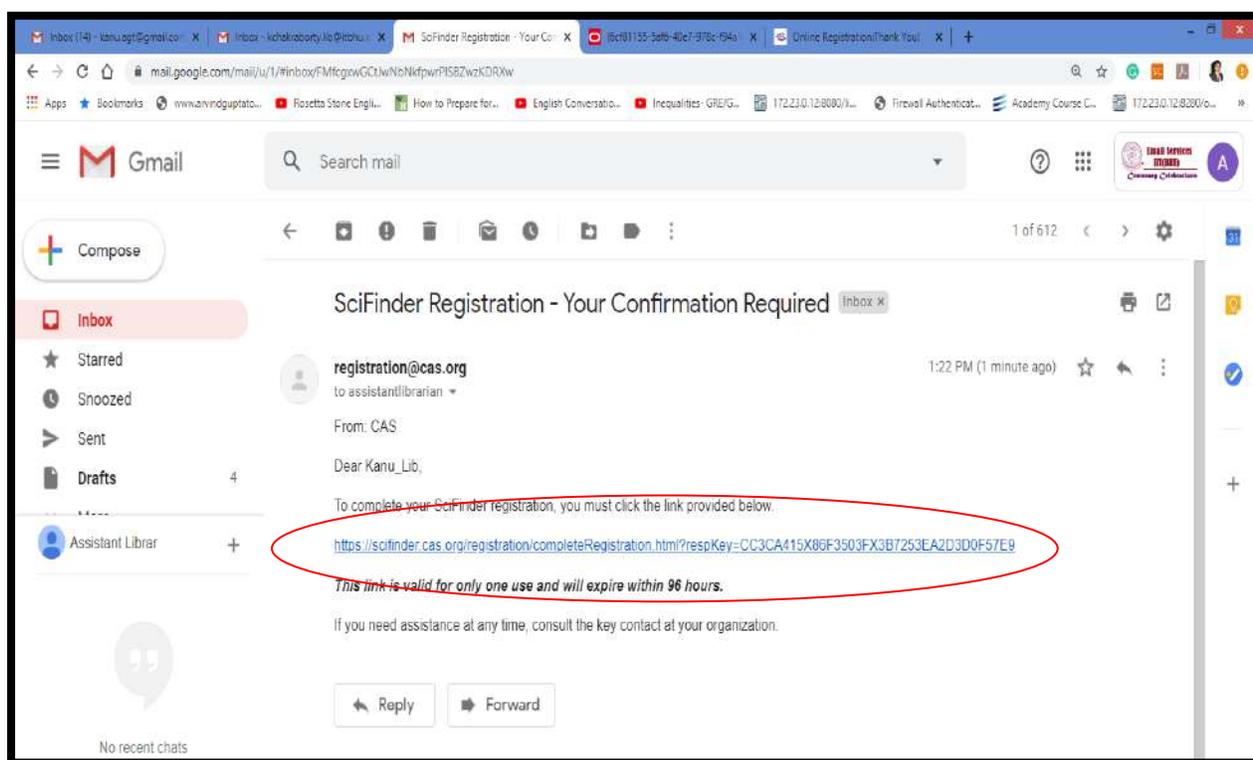
About us Contact us Legal

ENG 1:21 PM
INTL 1/22/2020

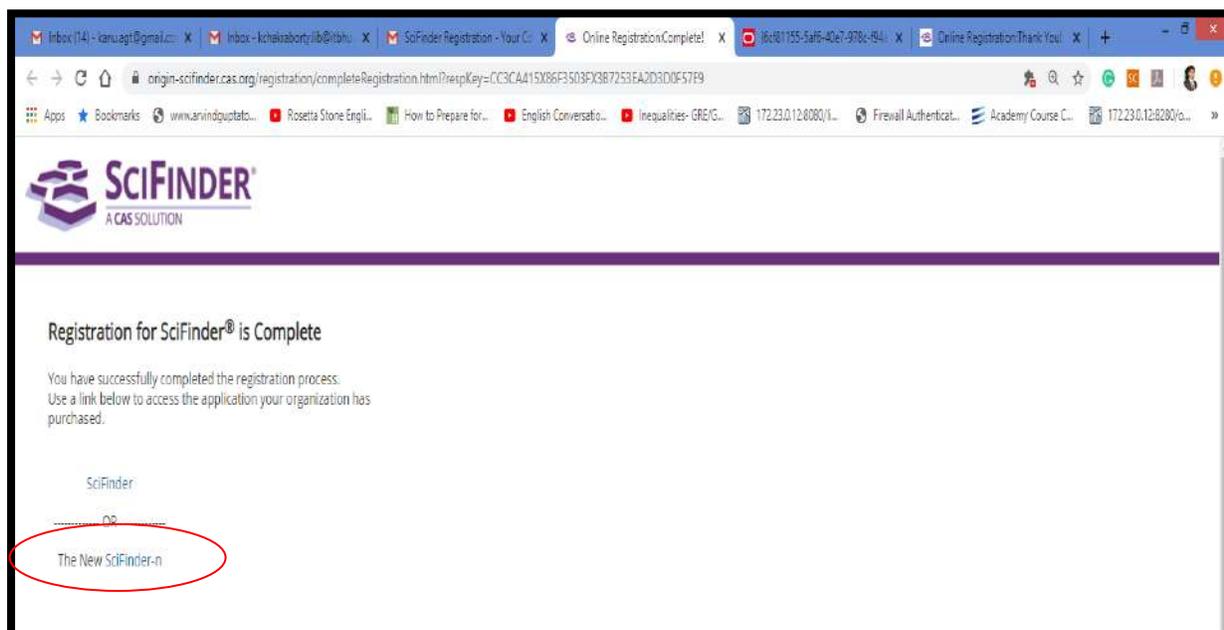
Step 5: You will get the message. Thank you for completing the initial step in registering to use SciFinder®! You will receive an email message from CAS that includes a link and instructions for completing the registration process. *You must click the link within 96 hours.* If not, you will need to begin the registration process again.



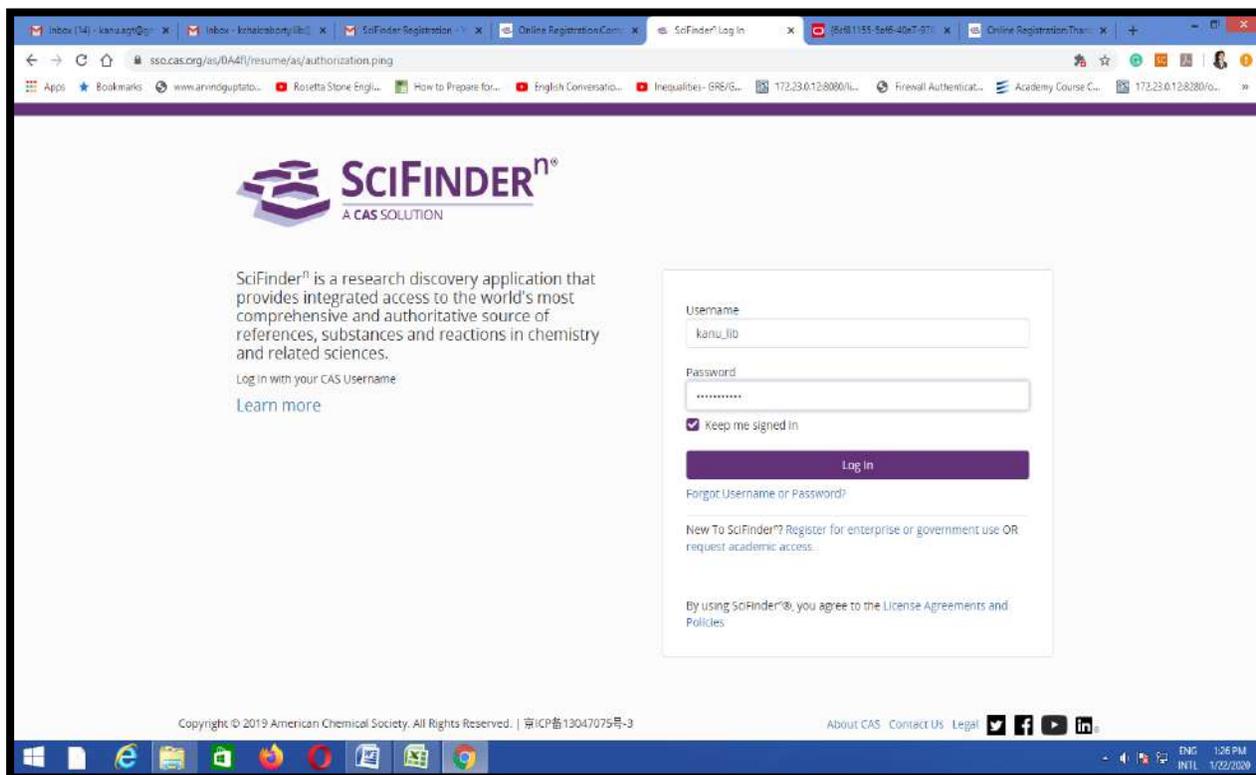
Step 6: Check your Institutional email and open the email from SciFinder Registration. Click on the link to complete your registration process.



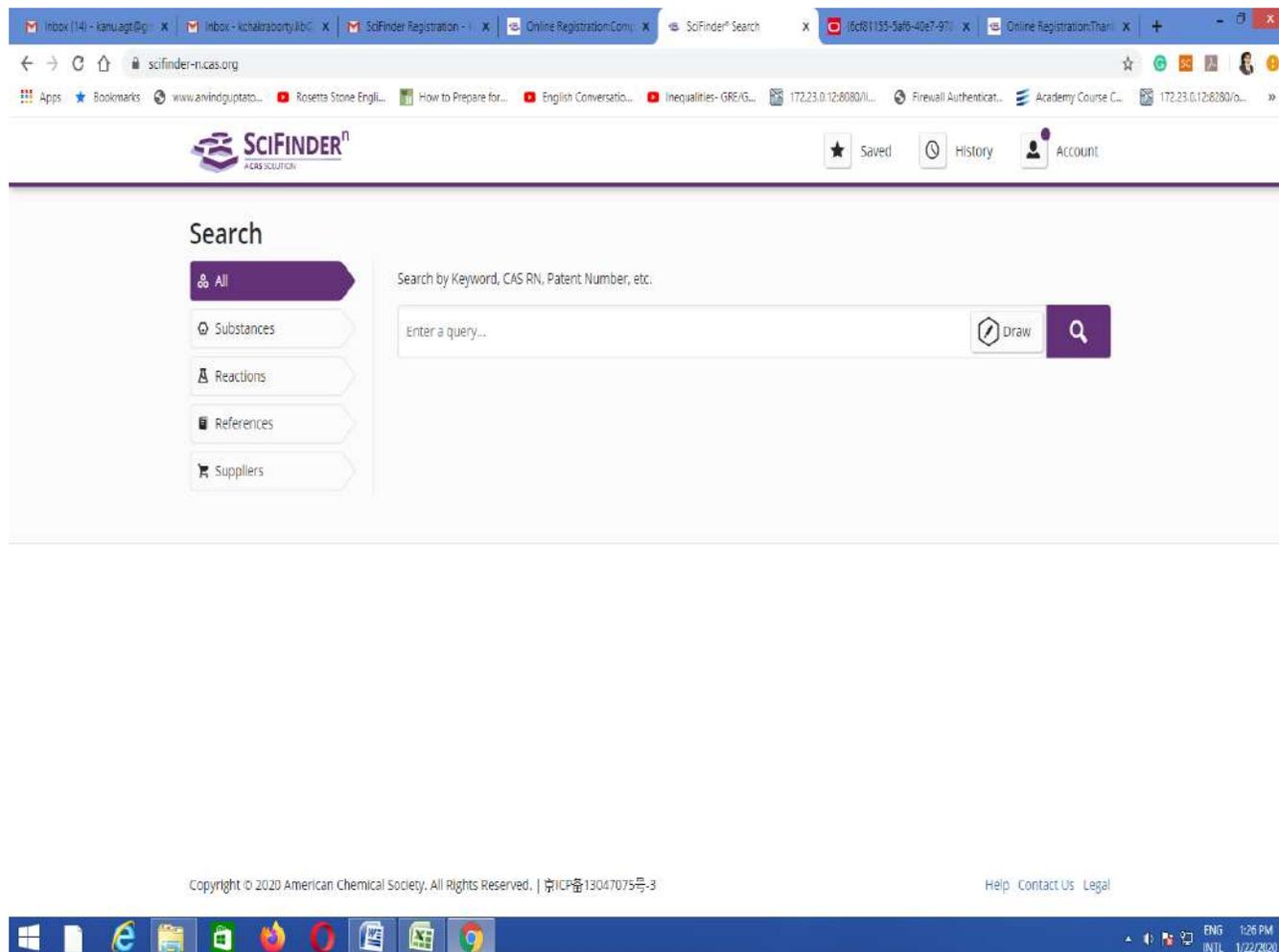
Step 7: Registration completed now you can login, click on [SciFinder-n](#).



Step 8: To login in Scifinder-n database, use your username and password (created earlier).



Step 9: This is the SciFinder home page.



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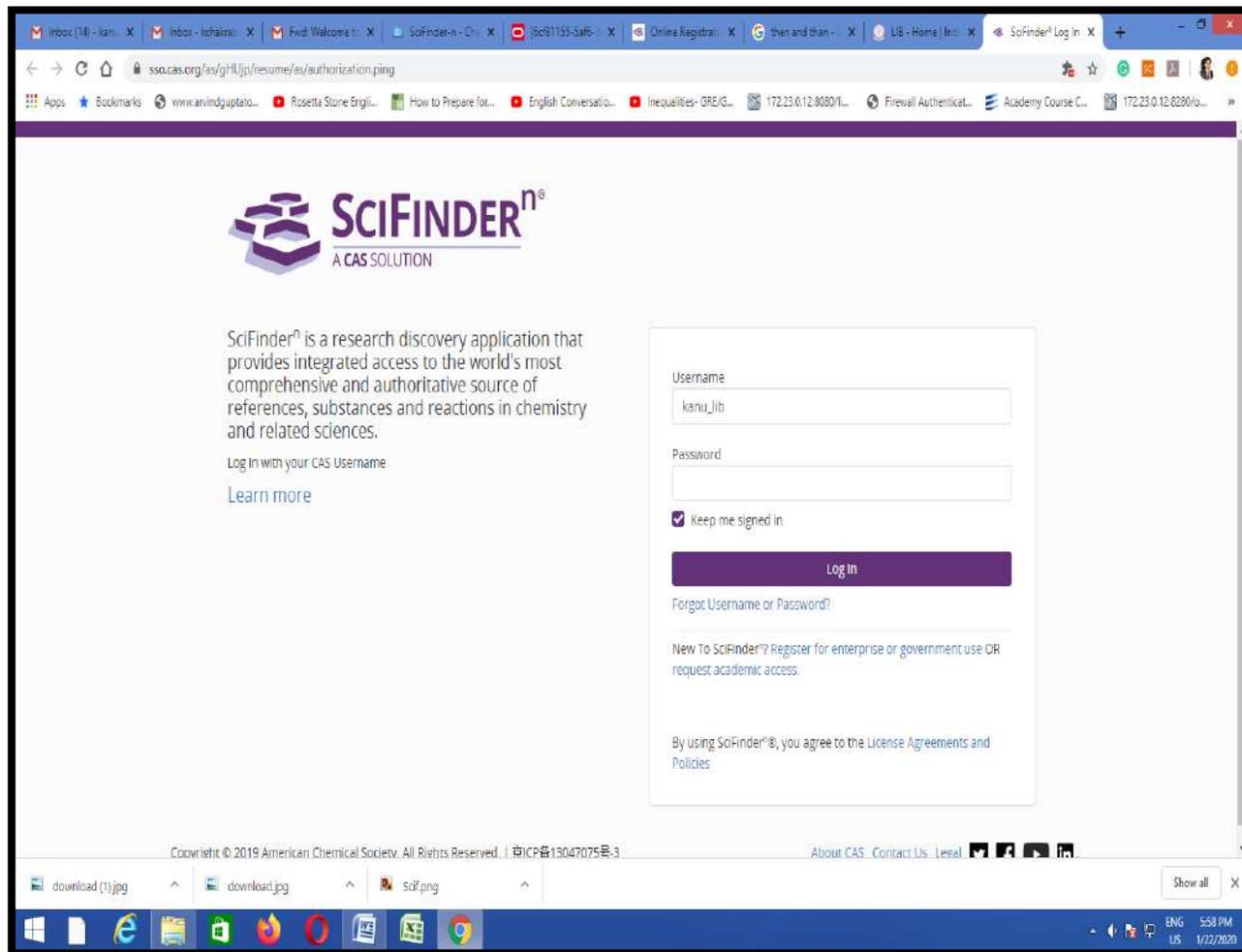
Help Contact Us Legal

ENG 1:26 PM
INTL 1/22/2020

3. How can Students, Research Scholar and faculty access SciFinder-n?

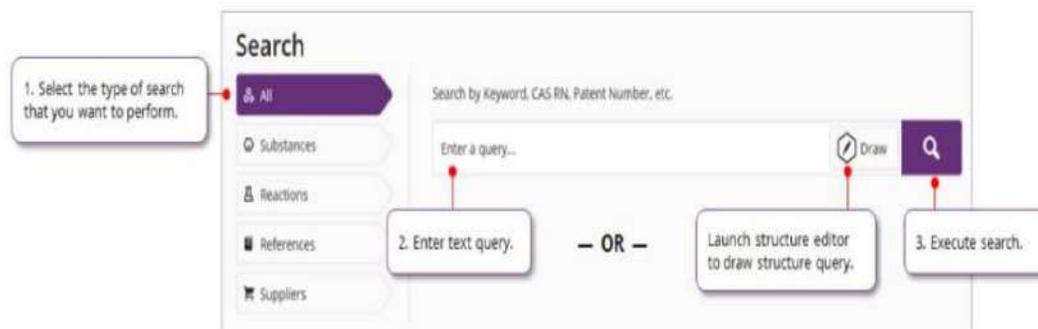
- SciFinder users will be able to log into SciFinder-n at the following link, and then provide your username and password to login.

<https://scifinder-n.cas.org> or Scan the QR code →



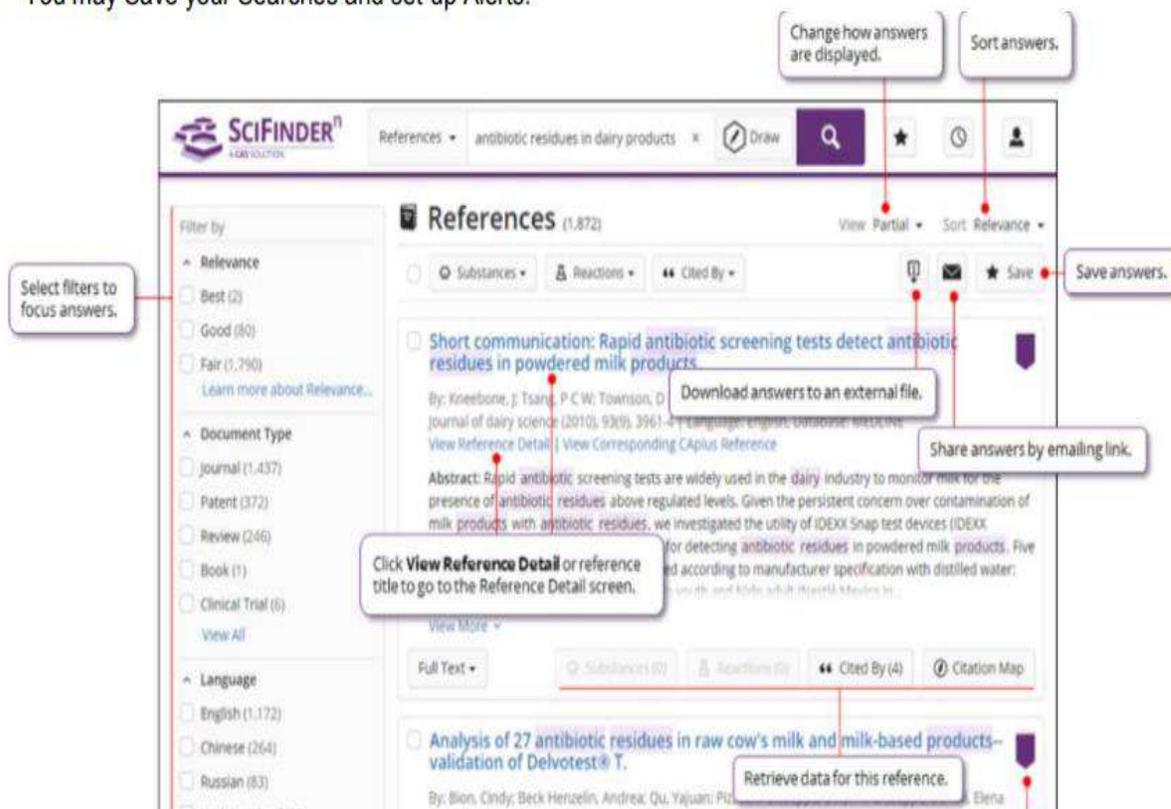
4. How to use SciFinder-n database?

● **Search SciFinderⁿ:** SciFinderⁿ features a streamlined search interface.



● **References:** The References display features visualizations, dynamic facets and an easy-to-use layout.

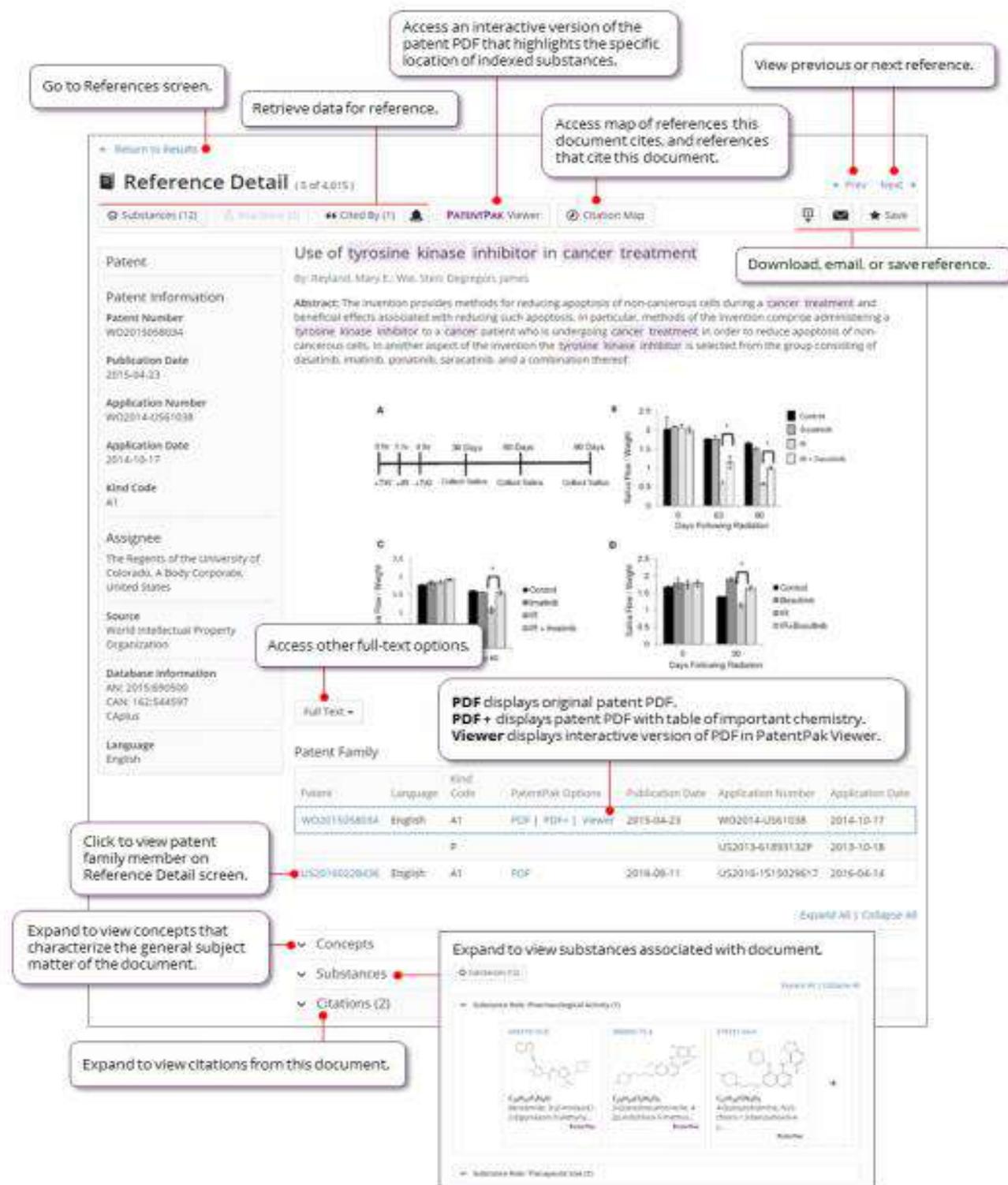
- References are ranked and sorted by Relevance to determine Best, Good and Fair collections.
- Full text acquisition options are available on the reference page
- You may Save your Searches and set-up Alerts.



The screenshot shows the 'References' page for the query 'antibiotic residues in dairy products'. It features several callouts highlighting key interface elements:

- Change how answers are displayed.** Points to the 'View Partial' dropdown menu.
- Sort answers.** Points to the 'Sort: Relevance' dropdown menu.
- Select filters to focus answers.** Points to the 'Filter by' sidebar on the left, which includes filters for Relevance (Best, Good, Fair), Document Type (Journal, Patent, Review, Book, Clinical Trial), and Language (English, Chinese, Russian).
- Save answers.** Points to the 'Save' button (star icon) at the top right of the results list.
- Download answers to an external file.** Points to the download icon (floppy disk) above a reference entry.
- Share answers by emailing link.** Points to the email icon above a reference entry.
- Click View Reference Detail or reference title to go to the Reference Detail screen.** Points to the 'View Reference Detail' link for a specific reference.
- Retrieve data for this reference.** Points to the 'Full Text' button for a reference.

- Click on the Reference Title (see the image above) to view the Reference's record details including bibliographic information, publication history, indexing, graphs and more.



Go to References screen.

Retrieve data for reference.

Access an interactive version of the patent PDF that highlights the specific location of indexed substances.

View previous or next reference.

Access map of references this document cites, and references that cite this document.

Download, email, or save reference.

Use of tyrosine kinase inhibitor in cancer treatment
 By: Heyland, Mary E.; Wei, Steve; Deigragan, James

Abstract: The invention provides methods for reducing apoptosis of non-cancerous cells during a cancer treatment and beneficial effects associated with reducing such apoptosis. In particular, methods of the invention comprise administering a tyrosine kinase inhibitor to a cancer patient who is undergoing cancer treatment, in order to reduce apoptosis of non-cancerous cells. In another aspect of the invention the tyrosine kinase inhibitor is selected from the group consisting of dasatinib, imatinib, ponatinib, sorafenib, and a combination thereof.

Figure 1: Timeline and bar graphs showing tumor weight over 60 days for different treatments.

Figure 2: Bar graph showing tumor weight at 0 and 30 days for different treatments.

Figure 3: Bar graph showing tumor weight at 0 and 30 days for different treatments.

Full Text -

PDF displays original patent PDF. PDF+ displays patent PDF with table of important chemistry. Viewer displays interactive version of PDF in PatentPak Viewer.

Patent Family

Patent	Language	Kind Code	PatentPak Options	Publication Date	Application Number	Application Date
WO2014056804	English	A1	PDF PDF+ Viewer	2015-04-23	WO2014-0561038	2014-10-17
					US2013-01893132P	2013-10-18
US20140228406	English	A1	PDF	2014-08-11	US2014-15190296X7	2014-04-14

Expand to view concepts that characterize the general subject matter of the document.

- Concepts
- Substances
- Citations (2)

Expand to view substances associated with document.

Expand to view citations from this document.

- Substances:** A Substance search returns results in an intuitive layout. The display highlights most relevant hits, critical property information and high-resolution images of structures.

- Click on View Detail to display the Substance's record detail.

The screenshot shows the SciFinder Substances search results interface. Callouts highlight the following features:

- Retrieve data related to answers.** (Top navigation bar)
- Download answers to an external file.** (Top navigation bar)
- Change how answers are displayed.** (Top navigation bar)
- Select type of structure match.** (Left sidebar: As Drawn (1), Substructure (6))
- Select filters to focus answers.** (Left sidebar: Commercial Availability, Reaction Role, Reference Role, Number of Components, Substance Class, Molecular Weight)
- Share answers by emailing link.** (Action button)
- Save answers.** (Action button)
- Retrieve data for substance.** (Right sidebar: Key Physical Properties table)
- Go to Substance Detail screen.** (Bottom callout pointing to 'View Detail' link)
- View Key Physical Properties on Substance Detail screen.** (Bottom callout pointing to the properties table)

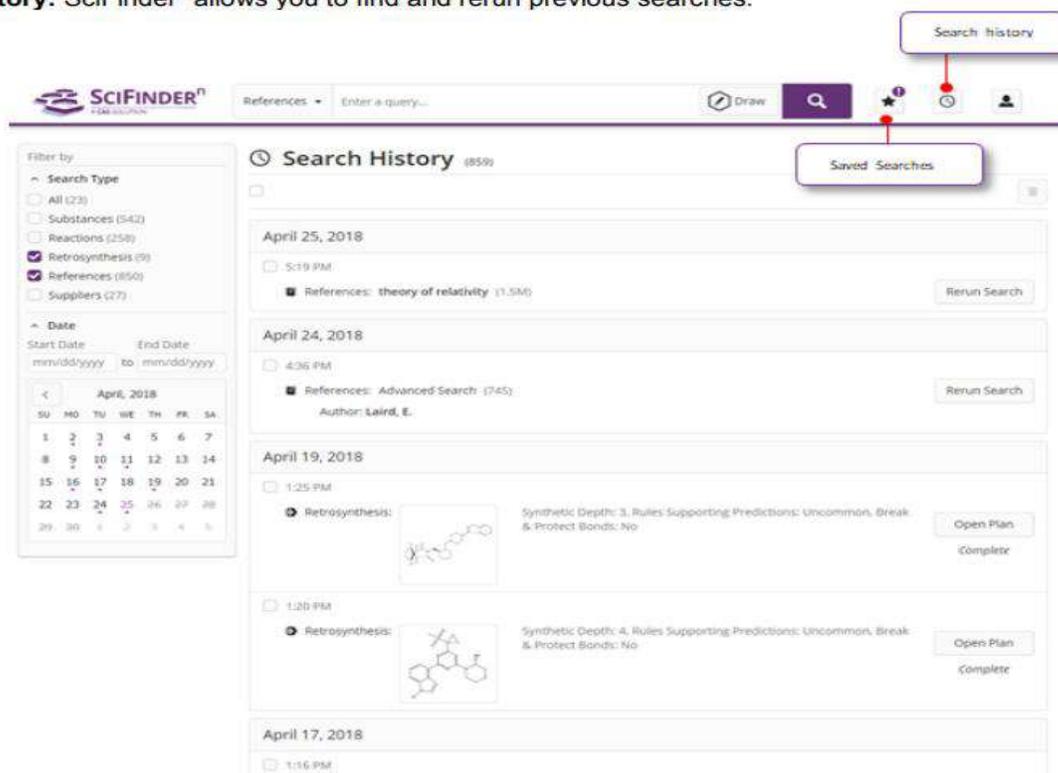
- Reactions:** A Reaction Search displays relevant Reaction Schemes. A Scheme contains reactions with the same Reagents and Products.

- Expand the Scheme, and click View Reaction Detail to details of the reaction.

The screenshot shows the SciFinder Reaction Detail page. Callouts highlight the following features:

- Go to Reactions screen.** (Top navigation bar)
- View previous or next reaction.** (Top navigation bar)
- Download answers to an external file.** (Action button)
- Share answers by emailing link.** (Action button)
- Save data.** (Action button)
- View reaction reference on Reference Detail screen.** (Right sidebar)
- View full-text PDF for the patent reference or Patent Family members.** (Right sidebar)
- Access other full-text options.** (Right sidebar)
- Retrieve suppliers for substance.** (Callout pointing to the Suppliers list)
- Click any substance image or name to display substance menu. Use menu options to view substance details (CAS Registry Number), zoom image (magnifier), retrieve associated information (Reactions, Suppliers, References), or copy substance to editor (Edit Substance).** (Callout pointing to a substance image)

History: SciFinder[®] allows you to find and rerun previous searches.



5. Helpful links for more details:

- [Bookmark the SciFinder-n FAQ page](#) and post to your institution's registration page.
- [Migrate your current saved answers and alerts](#) from SciFinder Web.
- [Access](#) the SciFinder[®] quick start guide for a step-by-step journey into the product.
- [Watch](#) our video collection of SciFinder[®] How-To videos and bookmark the page.

6. Contact us:

Feel free to contact us for any queries.

Main Library, IIT (BHU), Varanasi

Dr Navin Upadhyay (deputylibrarian@iitbhu.ac.in Ext: 8502)

Mr Kanu Chakraborty (assistantlibrarian@iitbhu.ac.in Ext: 5812)

For Reference, services email us to libraryservices@iitbhu.ac.in

Thank You