CAS
A division of the American Chemical Society

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CAS SCIFINDER^{n}

More than a literature and chemical compound database, CAS SciFinder^{n} leverages human curation to deliver relevant, actionable insights so you can innovate faster.

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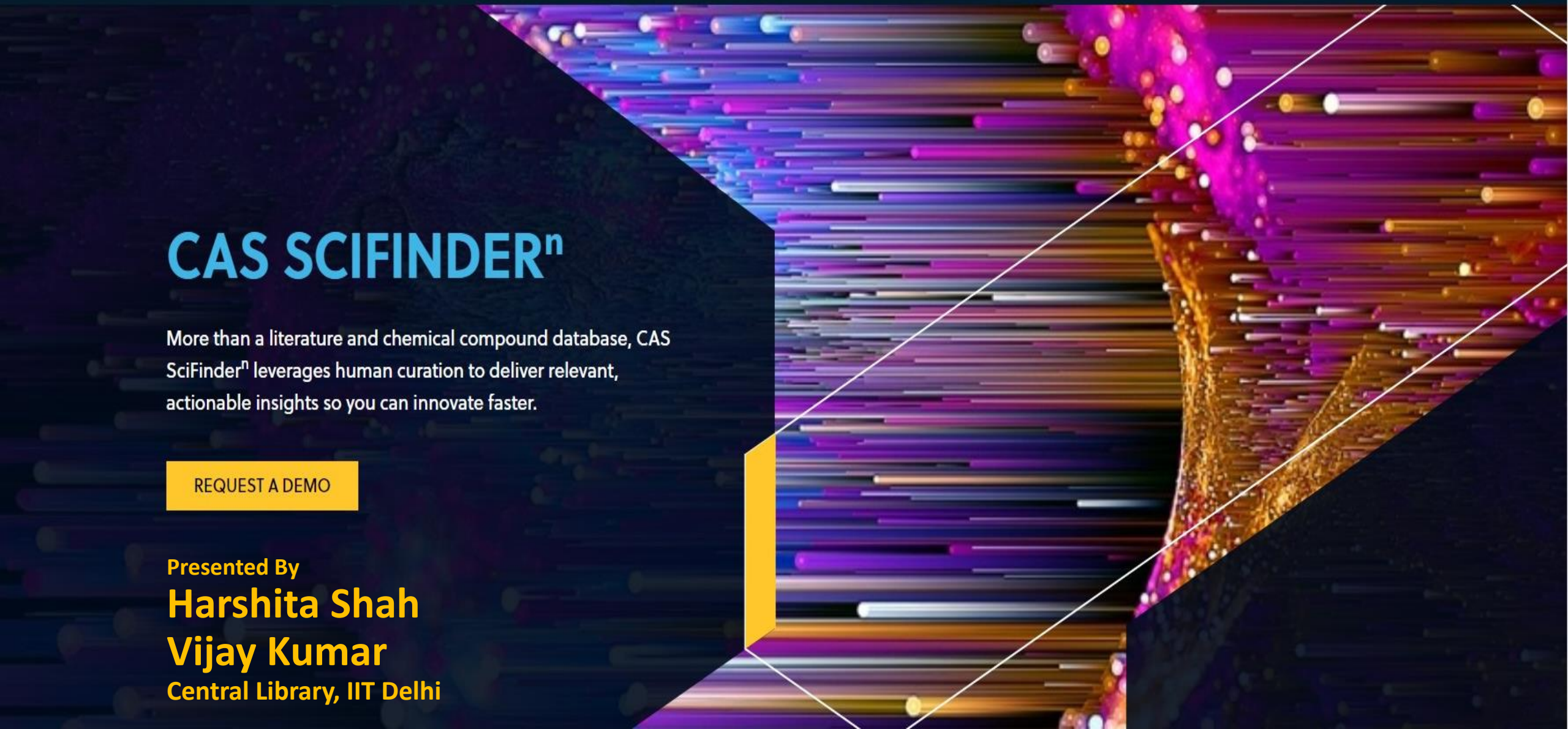

Presented By

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AGENDA

- Introduction
- CAS Solution
- Subject Coverage
- Benefits
- Comparison
- Solution interface
- Demonstration
  - Substance Search
  - Reaction Search
  - Reference Search
  - Supplier Search

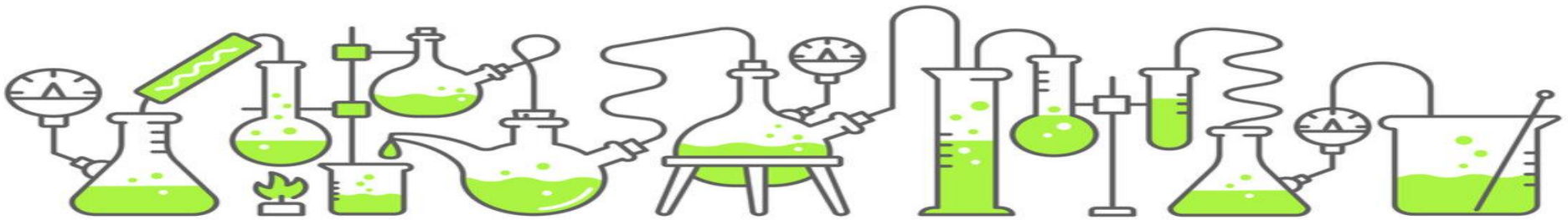
INTRODUCTION

- SciFinderⁿ, a database produced by the **Chemical Abstracts Service (CAS), a division of the American Chemical Society (ACS),** is the world's largest collection of chemistry information. A web-based resource, SciFinderⁿ is intended for academic, commercial, research, and development users.

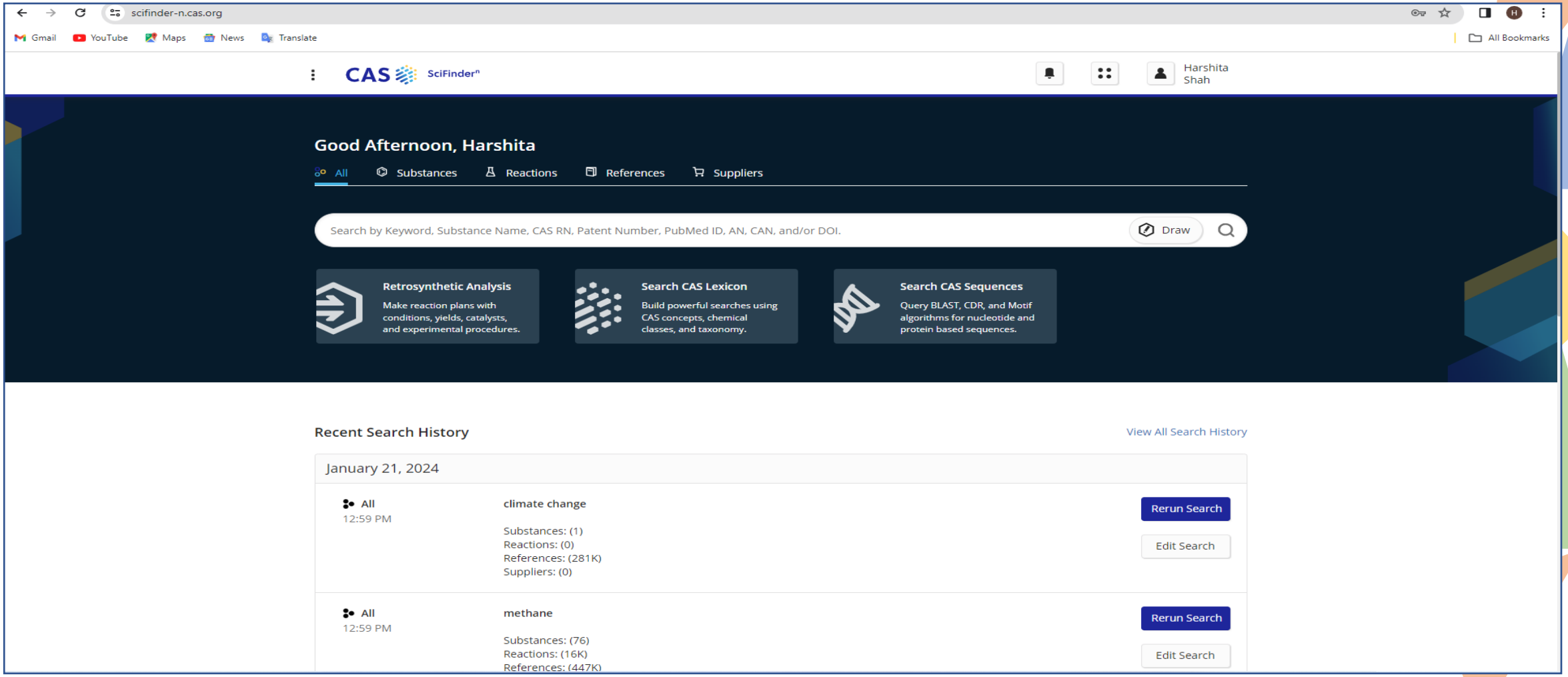
- Founded in **1907** as a volunteer effort to organize published chemistry research, **Chemical Abstracts Service (CAS)** officially became a self-supporting division of the American Chemical Society in 1956.

- Headquarters is in **Columbus, Ohio,** with global offices in 45+ countries. A team of over 1,000 scientists, technologists, and business professionals are passionate about advancing science and collectively speak more than 50 languages.

- CAS is a leader in scientific information solutions, partnering with innovators worldwide to accelerate scientific breakthroughs. As a leader in scientific information solutions, they curate, connect, and analyze the world’s published science to accelerate breakthroughs. At CAS, their passion is advancing scientific progress.



CAS SciFinderⁿ Interface



Source: https://scifinder-n.cas.org/

CAS SOLUTIONS

CAS offers a wide range of Solutions designed to meet the needs of research, patent, regulatory, and business professionals in every phase of the innovation process.

1. **CAS SciFinder^{n}:** Do better research in less time with the premier interface to the CAS content collection that offers the most advanced chemistry relevance engine in the industry.
2. **CAS Formulus®:** CAS Formulus® is a comprehensive formulations database and workflow solution. It can help you develop safe and effective products.
3. **CAS Analytical Methods™:** Save time with a single source to search and compare the latest published analytical methods.
4. **CAS STNext®:** Get a comprehensive view of the IP landscape with the premier single source for the world's disclosed scientific and technical research.
5. **CAS Scientific Patent Explorer™:** Search, analyze, visualize, and view relevant patent content and trends.
6. **CAS CHEMICAL COMPLIANCE INDEX™:** Simplify your workflow with a single resource for global regulatory information covering nearly 150 inventories and lists.
7. **SciFinder®:** SciFinder® is still supported, but SciFinder^{n} is now the state-of-the-art version.
8. **FIZ PatMon:** Efficiently monitor your patent portfolio and your competitors' activity with FIZ PatMon's intuitive interface and customizable alerts.

CAS SOLUTIONS INTERFACE

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CAS Formulus®

CAS Formulus® is a comprehensive formulations database and workflow solution. It can help you develop safe and effective products.

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Save time with a single source to search and compare the latest published analytical methods.

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FIZ PatMon

Efficiently monitor your patent portfolio and your competitors' activity with FIZ PatMon's intuitive interface and customizable alerts.

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Source: https://www.cas.org/cas-solutions-login

SUBJECT COVERAGE

It's a research tool for

1. Adhesives & Coatings Engineering
2. Alloys, Ceramics
3. Analytical Chemistry
4. Biochemistry
5. Biology
6. Biotechnology
7. Cellulose/Renewable Material
8. Chemical Engineering/ Process Chemistry
9. Colloid/Surface Chemistry
10. Environmental Science
11. Enzymology
12. Food Science
13. Formulations
14. Genomics, Proteomics
15. Geochemistry/Geology
16. Health/Safety (Regulations)
17. Informatics
18. Inorganic Chemistry
19. Licensing
20. Management
21. Materials Science
22. Medical Devices
23. Medicinal Chemistry
24. Medicine
25. Microbiology
26. Molecular/Cellular Biology
27. Nanotechnology
28. Nuclear Chemistry & Technology Chemistry
29. Organic Chemistry/ Organic Synthesis
30. Petroleum/Fuel Chemistry
31. Pharmacology
32. Physical Chemistry
33. Polymers/Plastics
34. Rubber
35. Toxicology and many others…

BENEFITS

CAS SciFinder^{n} is the world's most current and relied-on source for chemical substance information. We can search by topic, author, substances by name, CAS Registry Number, or CASDraw Editor.
Major benefits of SciFinder^{n} are:

- **Accelerate Literature Review**
- **Devise Synthesis Plans**
- **Research Reactions Confidently**
- **Visualize Search Results**
- **Find Available Chemicals**

COMPARISON

➢ Based on Subject Coverage

SciFinder^n	• Primarily focused on chemistry, chemical engineering, and related fields. It is an excellent resource for finding information on chemical substances, reactions, and related literature.
Web of Science	• Covers a broader range of disciplines, including science, technology, social sciences, and humanities. It is not as specialized in chemistry as SciFinder^n.
Scopus	• Multidisciplinary and covers a wide range of scientific disciplines, including natural sciences, social sciences, health sciences, and more. It is not specialized in chemistry but offers broad coverage across multiple fields.

➢ Search Capabilities

SciFinderⁿ	• Well-known for its advanced chemical structure searching capabilities, allowing users to draw and search by chemical structures. It supports text-based and structure-based searches.
Web of Science	• Provides powerful citation indexing and search features, enabling users to trace research trends, find highly cited articles, and identify influential authors.
Scopus	• Offers comprehensive keyword, author, and citation searching. While it provides powerful search features, it does not specialize in chemical structure searching to the extent that SciFinderⁿ does.

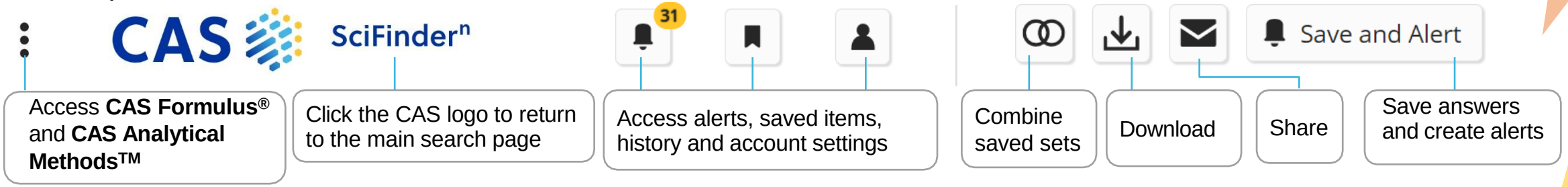
User Interface

SciFinder^n	• Designed with a user-friendly interface that is particularly tailored for researchers in the chemical sciences. It offers tools like structure drawing for chemical searches.
Web of Science	• Features a more general interface suitable for a wide range of disciplines. It is known for its clarity and ease of use.
Scopus	• The Scopus interface is designed to be more general and applicable across various scientific disciplines. It aims to provide a comprehensive platform for researchers in different fields, including natural sciences, social sciences, health sciences, and more.

Solution Interface

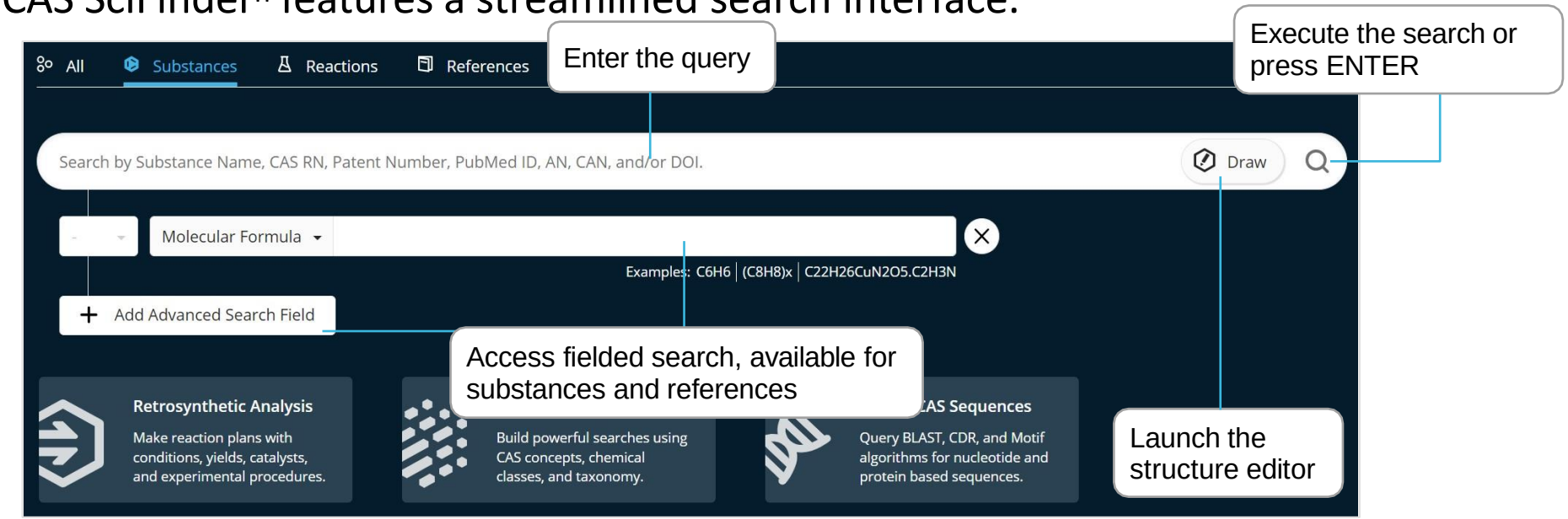
❑ Main Interface

The options below are found on the main interface in CAS SciFinder^n.



❑ Search Interface

CAS SciFinder^n features a streamlined search interface.



Source: https://scifinder-n.cas.org/

DEMO

CONCLUSION

SciFinder^n is a powerful tool widely used by researchers, chemists, and scientists in various fields of chemistry and related disciplines. It provides access to a comprehensive collection of scientific information, including literature, patents, chemical substances, reactions, and more.

Key features of SciFinder^n include:

- **Chemical Structure Searching:** SciFinder is well-known for its advanced chemical structure searching capabilities. Researchers can draw chemical structures and search for relevant information based on these structures.
- **Comprehensive Coverage:** It offers access to a vast repository of scientific literature, including journals, conference proceedings, and patents. SciFinder^n is particularly strong in providing detailed information on chemical compounds and reactions.
- **Retrosynthetic Analysis:** SciFinder^n provides tools for retrosynthetic analysis, assisting chemists in planning synthetic routes for compounds.
- **Access to CAS Registry:** SciFinder^n includes access to the CAS Registry, a database of chemical substances with unique identifiers (CAS Registry Numbers).
- **Patent Information:** The application includes a comprehensive collection of patent information, allowing users to search for patents related to specific technologies, compounds, or processes.
- **User-Friendly Interface:** SciFinder^n is designed with a user-friendly interface, making it accessible to researchers with varying levels of expertise.

REFERENCE

- *SciFinder^{n} Login*. (2023, August). Retrieved January 28, 2024, from https://scifinder-n.cas.org/
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THANK
YOU!