

PubMed Research Finder

Complete User Guide & Setup Instructions — RathBiotaClan

What Is This Tool?

The **PubMed Research Finder** is a free, browser-based search tool that gives life science students instant access to millions of peer-reviewed research papers from NCBI PubMed — one of the world's largest and most trusted biomedical databases. It is embedded directly on **rathbiotaclan.com** so students never have to leave the website to find credible research.

Why Is This Tool Needed?

01

Access Gap

Most Indian B.Sc and M.Sc life science students rely on textbooks and Google, missing thousands of recent research papers freely available on PubMed.

02

Time Wasted

Navigating NCBI directly is technical and overwhelming for beginners. Students give up before finding useful papers.

03

Citation Problems

Students struggle to format citations for assignments and projects. This tool generates a ready-to-copy citation in one click.

04

No Focused Platform

No Indian science website offers a student-friendly PubMed interface tailored to topics like Indian biodiversity, genomics, and bioinformatics.

Why Now? *Science publishing is accelerating. Over 1.5 million new biomedical papers are published every year. Students who cannot access and read current research are left behind in exams, interviews, and career opportunities. This tool bridges that gap — for free.*

How It Works

1

Type Your Topic

Enter any life science keyword — e.g. "malaria India genomics", "CRISPR therapy", "gut microbiome". Or click a Quick Search tag.

2

Tool Contacts PubMed

The tool sends your query to NCBI's free E-utilities API (esearch.fcgi) and retrieves matching paper IDs in real time.

3**Paper Details Fetched**

Using those IDs, the tool calls `esummary.fcgi` to pull the title, authors, journal name, and publication year for each paper.

4**Results Displayed**

Papers appear as clean cards showing: title (linked to PubMed), authors, journal, year, and PMID badge.

5**Read or Cite**

Click "View on PubMed" to open the paper. Click "Full Paper" for the DOI link. Click "Copy Citation" to copy a formatted reference.

Key Features at a Glance

Feature	Benefit for Students
Real-time PubMed search	Always shows the latest published research
Quick Search tags	One-click access to popular Indian biology topics
Sort by Relevance / Recent	Find the most useful or the newest papers
One-click Citation Copy	Ready-to-paste reference for assignments
DOI & PubMed links	Direct access to full papers where available
No login required	Open to all students, no account needed
100% Free	No subscription, no API key, no hidden cost

Step-by-Step: How to Use the Tool

1. Visit the Research Finder page on rathbiotaclan.com
2. Type your topic into the search bar (e.g. "snake venom proteomics India")
3. Select number of results (5 / 10 / 20) and sort preference
4. Press Enter or click the Search button
5. Browse the paper cards that appear below
6. Click "View on PubMed" to read the abstract and full details
7. Click "Copy Citation" to grab a formatted reference for your work

Pro Tips for Better Results

- ✓ Use specific terms: "BRCA1 mutation India" gives better results than just "cancer".
- ✓ Add "review" to your query to find review articles: "CRISPR review 2024".
- ✓ Use "India" or "Indian" to find locally relevant studies.
- ✓ Sort by "Most Recent" when researching fast-moving topics like COVID-19 or AI in biology.
- ✓ Copy the PMID number to quickly find the paper again on PubMed later.

