



INTERNET COMMUNICATION AT ALL EDUCATION LEVELS

Djurdjica Tezak

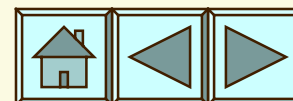
University of Zagreb, Faculty of Science, Chemistry Department

djurdjica.tezak@zg.tel.hr

<http://www.chem.pmf.hr/~tezak>



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Zagreb, Croatia
September, 24-26, 2001



TODAY, NOW, 2001



INFORMATION LITERACY - **FOR EVERYONE**

INFORMATION LITERACY - **FOR EDUCATION**

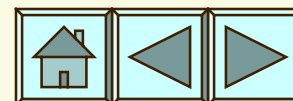
distance learning

INFORMATION LITERACY - **FOR PERMANENT EDUCATION**

training for trainers



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EDUCATION



- of scholars
- of teachers

BASIC RESOURCE

information technology:
computer classrooms
information tutorials
workshops

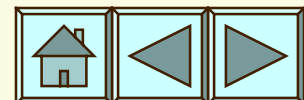
LEARNING ABOUT



LEARNING FROM THE INTERNET



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EDUCATION LEVELS



FIRST LEVEL:

elementary • how to use
a computer

SECOND LEVEL:

programs • games,
competition

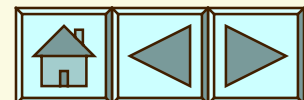
result: creativity

THIRD LEVEL:

Internet • searching the
information on the Web



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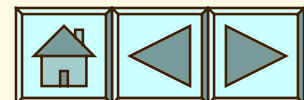
in CROATIA



- ◆ **GOOD NETWORK INFRASTRUCTURE**
- ◆ **HARDWARE IN SCHOOLS AND AT THE UNIVERSITIES**
- ◆ **QUESTIONS:**
 - . HOW MANY TEACHERS IN SCHOOLS KNOW?
 - . HOW MANY STUDENTS HAVE SOME KNOWLEDGE?
 - . HOW MANY OF THEM USE THE INTERNET ACCESS?



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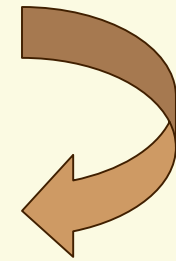




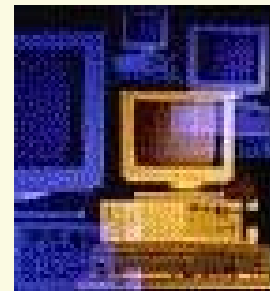
INTERNET COMMUNICATION

Web as a basic tool for:

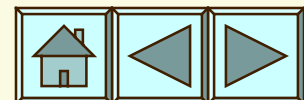
online learning
distance learning
long-life learning



- (1) TO COVER THE ENTIRE COUNTRY
- (2) TO ACHIEVE THE WORLD' LEVEL OF EDUCATION
- (3) TO IMPROVE THE EDUCATION



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EDUCATION' WEB

SPECIAL SEARCH ENGINES:

- ◆ EduHound <http://www.eduhound.com>
- ◆ alltheweb <http://www.alltheweb.com>

DATABASES:

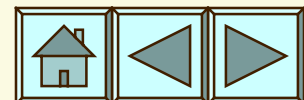
- CAS SciFinder Scholar <http://www.cas.org>

TUTORIALS:

- ♥ tutorialfind <http://www.tutorialfind.com>
- ♥ findtutorials <http://www.findtutorials.com>
- ♥ Tutorial with exercises: *"Internet and WWW: Searching the Information on the Internet"*



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EduHound Weekly

The Newsletter For Educators!



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2001 - 2002

welcome

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awesomesclipart for Kids!

EduHound *TeachNow* Digital Books For Educators

SCHOOLZONE

EduHound Schools on the Web! **NEW!**

EduHound Classrooms on the Web! **NEW!**

EduHound Weekly Newsletter

Text Format

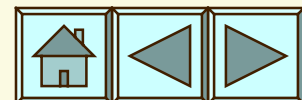
HTML Format

Sign Up!

Start Microsoft ... Grabbit 2 JInbox - O... Microsoft ... C:\Docum... Microsoft ... C:\Docum... Welcome... 12:37



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EDUCATION-SE



♥ alltheweb

<http://www.alltheweb.com>

alltheweb
all the web, all the time

searches Web pages, pictures, videos,
MP3 files--- TEACHING & LEARNING on the Web

♥ About

<http://websearch.com>

About Internet for Beginners

<http://www.about.com>

Recommended Site

<http://kidsinternet.about.com/cs/searchengines/index.htm>

♥ AskJeeves

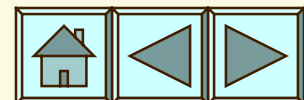


<http://www.askjeeves.com>

AJ has a search page just for kids,
and it is one of the best



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MORE EDU-SE



<http://www.searchenginewatch.com>



<http://www.searchengineguide.com>

Education: Higher Education: **links**

eduport.com

ScholarStuff.com

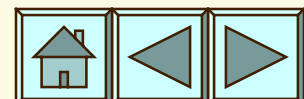


education-world.com

planning the lessons
support to cooperative learning



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VIRTUAL LIBRARY

*“Library without walls”
digitalised documents*

Databases of Chemical Abstracts Service

CHEMICAL ABSTRACTS

REGISTRY (29 million of substances)

NEW: easy searching CAS databases:

SciFinder (author, keywords, structures)

SciFinderScholar (links to citations; searching MEDLINE)

ChemPort

◦ (Full Text of papers)

◦ **CAplus reference**

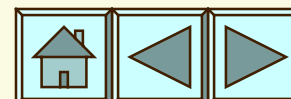
◦ **ChemPort connection**

◦ **(Full Text FROM HIGHLY RANKED PUBLISHERS)**

Chemical Patents Plus (USA 1973-)



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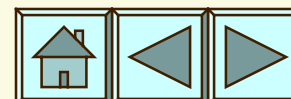
DATABASES



PRODUCTS	CUSTOMER SERVICE	ABOUT CAS	WHAT'S NEW
SciFinder	Welcome to CAS!		
SciFinder Scholar	CAS is the producer of the world's largest and most comprehensive databases of chemical information.		
STN on the Web	Our principal databases, Chemical Abstracts (CA) , and REGISTRY now include over 18 million document records and more than 32 million substance records respectively.		
STN	CAS also produces databases of chemical reactions , commercially available chemicals , listed regulated chemicals , and compounds claimed in patents .		
STN Easy			
CA Selects on the Web			
ChemPort			



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Welcome to the CAS LEARNING CENTER

The CAS Learning Center includes links to self-paced learning materials, documentation, product quick tips, and a schedule of "instructor-led" training classes.

All of these resources are available to assist you in using CAS products.

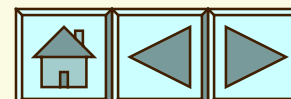
Click on the appropriate product for details.



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SFS (1)



SciFinder® Scholar

SciFinder®
SCHOLAR
2000

View a short [Flash file](#) overview of the new features and enhancements. [requires Macromedia Flash Player 5](#).

Scholar - chemistry plus a whole lot more

Special Pricing



For **teaching or learning** you'll love **SciFinder Scholar 2000!**

Product Overview

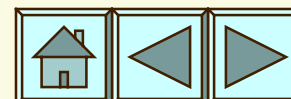
SciFinder Scholar is an award-winning desktop research tool designed especially for use by students and faculty to easily access the information in the CAS databases. With no special training needed, you can explore the world's most comprehensive collection of published scientific research through a variety of ways--by [author name](#), [research topic](#), [substance identifier](#), [chemical structure](#), or [chemical reaction](#). You simply point and click to retrieve more than [32 million substances](#), and [links to the full-text of electronic scientific journals on the web](#) and in-house library holdings.



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SFS (2)



SciFinder Scholar - Chemistry Plus a Whole Lot More

Many researchers unfamiliar with the content of the CAS databases assume that CA is strictly "chemistry," and are astonished by the diversity of its coverage.

Please take a look at the following areas of interest to discover the comprehensiveness of the CAplus database. (PDF documents)

- [Agriculture Science](#)
- [Biology and Life Sciences](#)
- [Engineering Sciences](#)
- [Food Sciences](#)
- [General Chemistry](#)
- [Geological Sciences](#)
- [Material Sciences](#)
- [Medical Sciences](#)
- [Physics](#)
- [Polymer Science](#)

[SciFinder Scholar Home Page](#)



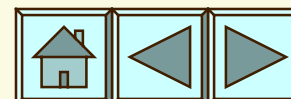
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

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Explore [X]

Select One:

-  **Chemical Substance or Reaction**
Find a substance or reaction and retrieve corresponding literature.
-  **Research Topic**
Find literature relevant to a topic of interest.
-  **Author Name**
Find literature written by a specific author.
-  **Document Identifier**
Find literature by document ids such as CA abstract number or patent number.
-  **Company Name / Organization**
Find literature from a specific organization.
-  **Browse Table of Contents**
Scan table of contents of my favorite journals.

Cancel

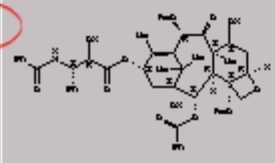


SciFinder Scholar [Window Title Bar]

File Edit View Task Tools Help [Menu Bar]

NewTask Back Forward Print Save As Full Text Database History Internet Help Exit [Toolbar]

33069-62-4



[Commercial Sources](#)

[Regulated Chemicals Listing](#)

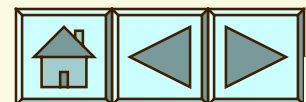
~4519
References
REGISTRY

Get References Analyze Substances Refine Substances Back [Buttons]

Substance 1 of 1 [Status Bar]



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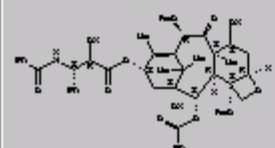


SciFinder Scholar

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NewTask Back Forward Print Save

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[Regulated Chemicals Listing](#)

~4519
References
REGISTRY

Get References Analyze Substances Refine Substances Back

Substance 1 of 1

Get References

Retrieve references for:

All substances Selected substances

For each substance, retrieve:

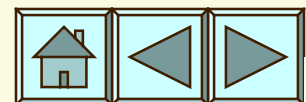
All references Only the following types:

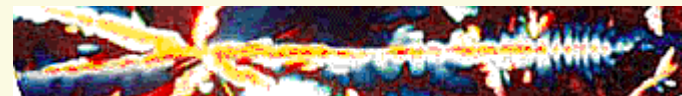
- Adverse Effect, including Toxicity
- Analytical Study
- Biological Activity
- Biological Study
- Crystal Structure
- Formation, nonpreparative
- Miscellaneous
- Occurrence
- Preparation
- Properties
- Process
- Reactant
- Spectral Properties
- Uses

OK Back



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SciFinder Scholar

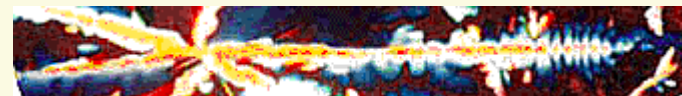
File Edit View Task Tools Help

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- Rodriguez, I.; Voges, R. **Synthesis of [14C2]taxol: application of (+)/(-)-[13,14Cn]BABS, part 3.** J. Labelled Compd. Radiopharm. (2000), 43(2), 169-176. CODEN: JLCRD4 ISSN:0362-4803. CAN 133:120482 AN 2000:358433 CAPLUS
- Kingston, David G. I. **Recent Advances in the Chemistry of Taxol.** J. Nat. Prod. (2000), 63(5), 726-734. CODEN: JNPRDF ISSN:0163-3864. CAN 133:135431 AN 2000:357800 CAPLUS
- Fischer, M. Peter; Zhelev, Nikolai. **Modified and truncated penetratin derivatives as membrane translocation carriers for drug transport.** PCT Int. Appl. (2000), 59 pp. CODEN: PIXXD2 WO 0029427 A2 20000525 CAN 133:9081 AN 2000:351544

Analyze or Refine References Back

References 15-17 of 1334



Detail of Reference 16 [Window Title Bar]

File Edit Help [Menu Bar]

Bibliographic Information

Recent Advances in the Chemistry of Taxol. Kingston, David G. I.
Department of Chemistry, Virginia Polytechnic Institute and State University,
Blacksburg, VA, USA. J. Nat. Prod. (2000), 63(5), 726-734. CODEN:
JNPRDF ISSN: 0163-3864. Journal; General Review written in English.
CAN 133:135431 AN 2000:357800 CAPLUS

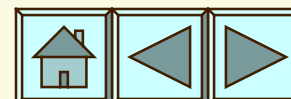
Abstract

The synthesis, antitumor activity, and conformation of taxol were reviewed with 43 refs. The history of the development of the important anticancer drug taxol was briefly described, and recent studies of its chem. and tubulin-binding conformation were then presented. Topics discussed include side chain attachment to baccatin III, the effect of oxygenation of the taxane ring system on bioactivity, the importance of the oxetane ring for bioactivity, the synthesis of a C-6/C-4 bridged analog, and the conformation of the side chain when taxol is bound in a complex with polymd. tubulin.

Indexing -- Section 30-0 (Terpenes and Terpenoids)



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the world's largest online tutorial directory with over 3500 tutorials in over 300 categories



<http://www.findtutorials.com>

the tutorials search engine offers over 4.000 tutorials accessible by Web.

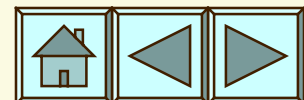
Searches all words, searches any word, searches Tutorial's description from all the categories

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We welcome our newest member:
Djurdjica Tezak
from: Croatia (Hrvatska)



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TUTORIAL IN CROATIAN LANGUAGE

INTERNET I WORLD WIDE WEB PRETRAŽIVANJE INFORMACIJA NA INTERNETU PRIRUČNIK S VJEŽBAMA

AVAILABLE IN PRINTED EDITION (200 pp.) (Sept. 2001), Web, CD-ROM (end 2001)

The useful guide to the Internet for all classes of students' population, and for everyone, as well.

Many literature sources to the other tutorials,
glossaries, and the
useful Web addresses

THE CONTENTS:

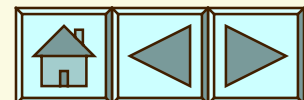
Introductory part (information communication technology, databases,
search engines, learning on the Internet),

Net Sources (evaluation of the Web, citing of net information
sources),

Sixteen chapters with many exercises



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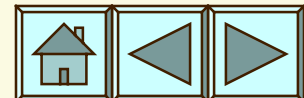
CONCLUSION

CONDITION FOR INFORMATION LITERACY

- ICT enabled a fast communication
- Information tools
- Implementation of ICT to the education,
to customise the electronic teaching material for:
 - online learning
 - distance learning
 - long-life learning
- training for trainers



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DUTIES



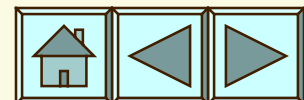
FOLLOW THE INTERNET DEVELOPMENT

INTERNET LEARNING

EDUCATION USING ELECTRONIC MEDIA AT EVERY
SCHOOL LEVELS



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THANK YOU FOR YOUR ATTENTION
THANK YOU FOR YOUR ATTENTION

HVALA NA PAŽNJI



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