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- Pollution Thesaurus
- Taxonomic Terms (Latin Names of Organisms Vocabulary)

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Implementation of Software Agents and Advanced AoA for Disease Data Analysis

Vijayakumar, K; K Pradeep Mohan Kumar; Jesline, Daniel. **Journal of Medical Systems** 43.8: 1-6. Springer Nature B.V. (Aug 2019)

Highlighting: Off | Single | Multi

⊟ Abstract (summary) Translate

To eliminate the possibilities of getting various contradicting solutions to a single problem during diagnosis, a single regular Agent oriented Approach (AoA) is replaced by Intelligent Artificial Agents that act like human and even dynamically decide in any situations known as Intelligent Searching Approach (ISA) is proposed. These agents are used to analyse the medical forums and results or findings are derived accurately than any manual approach. Multiple Agents have been used to analyse the blogs by dividing the work areas and communicating themselves using Agent Communication Language (ACL) and FIPA. The local solutions thus formed are forwarded to a global agent. This Global Agent controls all operations and makes the decision about the best solution. As the Global Agent controls all other agents, it eradicates unwanted and ineffective communication between the various local agents and hence keeping the time taken for communication at the minimum level. Based on these solutions a prioritization matrix is formed using advanced clustering techniques to create a prioritized content of suggested best solutions. Once the decision is made, the refining process runs several times recursively checking for all possible better solutions solving the input. On completion of this process, the Global Agent returns the exact result of the discussion. This process saves time rather than researching the entire blog for result data. This advanced approach lights a different way of obtaining solution keeping the time taken for discussion and intercommunication between the agents to the minimal level but not compromising on the perfection of the solution at the same time.

⊟ Indexing (details) 📄 Cite

Subject	Human communication; Data analysis; Software agents; Agents (artificial intelligence); Communication; Clustering
Title	Implementation of Software Agents and Advanced AoA for Disease Data Analysis
Author	Vijayakumar, K [1] ; K Pradeep Mohan Kumar [2] ; Jesline, Daniel [3]
	[1] Department of Computer Science &Engineering, St. Joseph's Institute of Technology, Chennai, India
	[2] Department of Computer Science and Engineering, SRM Institute of Science and Technology, Chennai, India
	[3] Department of Computer Science &Engineering, St. Joseph's of College of Engineering, Chennai, India
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UD	Database	ProQuest Biological & Health Science Professional (1971 - current)

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Field Name[1]	Field Code	Example	Description and Notes
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Accession number	AN	an(24096014)	A unique document identification number assigned by the information provider. A record can display multiple accession numbers – depending on the products within which it is stored.
All fields	ALL	all("human studies)	Searches all fields. Use adjacency and/or Boolean operators to narrow search results.
All fields + text	--	"human studies"	Same as ALL field code: searches all fields in bibliographic files.
Author[2] Author First Name Author Last Name	AU AUFN AULN	au("seiji miura") aufn(miura) auln(seiji)	Includes all authors. See also First author.
First Author	FAU	fau("Stirland Darren Lars")	First name listed in Author field. It is included in Author browse, but its position cannot be specified in the Author browse. See also Author.
Author affiliation	AF	af(Utah PRE/1 "Department of Bioengineering")	
Cited author	CAU	cau("Zhuxian Zhou")	Authors of cited works.
Cited document title	CTI	cti("nonviral cancer gene therapy")	Titles of cited works
Cited publication date	CYR	cyr(2017)	Publication years of cited works
Cited publication title	CPUB	cpub("advanced drug delivery reviews")	Publication titles of cited works
Classification	CC	cc("public health")	Broad classifications are used in the PQ Biological and Health databases. They are searchable but not currently displayed.
CODEN	CODEN	coden(cijpd)	
Conference information	CF	cf("biochemical society ") cf(Baltimore) cf("United States") cf(2017)	Includes conference title, location, number, date.
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Date created	DCRE	dcre(2018-06-06)	Date the information provider created the record. Note that not all providers identify a date of creation.
Date revised	DREV	drev(2019-06-01) drev(>20190601)	Date on which the information provider revised the record. Note that not all Providers identify a date of revision.
DOI	DOI	doi("10.1016/j.jconrel.2013.09.026")	Digital Object Identifier. Search the portion of the DOI that comes after http://dx.doi.org/.
Document feature	DF	df(table)	Indicates presence in original article of availability of graphics, tabular data, illustrations, etc.
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First available	FAV	fav(20190606) fav(>20181231) fav(20180101-20180630)	The date on which the document was loaded for the first time on Dialog. It will not change regardless how many times the record is subsequently reloaded, as long as the accession number does not change.
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Identifier (keyword)	IF	if(irrigation OR drainage)	Additional or author keywords, not usually part of any controlled vocabulary.
ISBN	ISBN	isbn(9781267951021)	
ISSN	ISSN	issn(1873-4995) issn(18734995)	Also retrieves electronic ISSNs.
Issue	ISS	iss(1)	The journal issue. Also searchable via the Look Up Citation tool.
Journal title	JN, PUB	jn("journal of controlled release")	Journal names only. For complete Publication name types, use PUB. Also searchable via the Look Up Citation tool for Publication name.
Language	LA	la(english)	The language in which the document was originally published.
Location	LOC	loc(Virginia)	
MeSH	MESH, SU	mesh("drug evaluation")	Available only in the TOXLINE subfile
Notes	NT	nt(internet)	
Number of pages	PCT	pct(8)	
Pagination	PG	pg(252)	See also Start page.
Publication date	PD	pd(20930715) pd(>20180630)	Also searchable via the Look Up Citation tool
Publication title[2]	PUB	pub("journal of controlled release")	Title of publication where document originally appeared. Also searchable via the Look Up Citation tool.
Publication type	PT, STYPE	pt("scholarly journals")	
Publication year	YR, PY	yr(2019) yr(>2017) yr(2017-2019)	A single year or a range of years may be searched. Displays in Publication date.
Publisher	PB	pb("springer verlag")	
Publisher location	PBLOC	pbloc(Netherlands)	
References	RF	rf("optical oceanography" and dickey)	Searches references cited in the original document.
Report number	RP	rp(NISTPA804429)	

Source type	PT, STYPE	stype("conference papers & proceedings")	.
Start page	PAGE	page(134)	Also searchable on the Look Up Citation page. Displays in Pagination.
Subfile	SFL	sfl("plant science")	The individual database(s) in which the document appears.
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Title	TI	Ti("cancer drug carriers" NEAR/6 "research and practice")	Includes Title, Alternate Title, Original Title, and Subtitle, but not Publication Title (PUB).
Title Only	TIO	Tio("Acinetobacter pittii")	Searches only the title, not Subtitle or Alternate Title.
Alternate Title	OTI	oti("quelles techniques de radiothérapie pour quelles tumeurs)	Usually the original, non-English title.
Updates	UD	ud(20930606)	The date(s) on which the record was loaded as a result of an update provided by the supplier
Volume	VO	vo(234)	The journal's volume number.

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