

## Gateway to access, disperse and preserve knowledge!



AGRICULTURE



APPLIED SCIENCE



MANAGEMENT



Search for:

in

*Example: Plant\* OR "Nano technology"*

AND

in

*Example: Sharma A\* OR Sharma A (enter lastname first then enter firstname)*

AND

in

*Example: IIMS Journa..., arrow keys to select then Enter*

Search

Clear

Help

Welcome Guest  
Please Login

Email id

Log In

Unable to login ???  
Forgot password  
New user?  
Click to Register

What's New

Online Article Submission Available

Enter your login details.

Journals (271)

Open Access (26)

Subjects (21)

Last week's downloads (From 14-Jul-2014 to 20-Jul-2014)



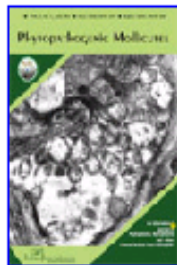
Most Read Article

[Effect of Media, pH, Temperature, Host range and Fungicides on](#)  
*(Annals of Plant Protection Sciences, Vol. 17, Issue 2)*

Downloads:566



## Gateway to access, disperse and preserve knowledge!



AGRICULTURE



APPLIED SCIENCE



MANAGEMENT



Search for: Help

in Title

*Example: Plant\* OR "Nano technology"*

AND  in Author

*Example: Sharma A\* OR Sharma A (enter lastname first then enter firstname)*

AND  in Publication

*Example: IIMS Journa..., arrow keys to select then Enter*

### What's New

Online Article Submission Available

Journals (271)

Open Access (26)

### Last week's downloads (From 14-Jul-2014 to 20-Jul-2014)



#### Most Read Article

[Effect of Media, pH, Temperature, Host range and Fungicides on](#)  
[\(Annals of Plant Protection Sciences, Vol. 17, Issue 2\)](#)

Downloads:566

Welcome Guest  
Please Log In

Email id

Unable to login ???  
Forgot password  
New user?  
Click to Register

If IPs Provided to us ;  
Skip Login



## Gateway to access, disperse and preserve knowledge!

Welcome Guest  
Bhushan Kumar  
Bhalla  
User's Menu  
Log Out

Search for:

in Title

Example: Plant\* OR "Nano technology"

AND

in Author

Example: Sharma A\* OR Sharma A (enter lastname first then enter firstname)

AND

in Publication

Example: IIMS Journa..., arrow keys to select the

Search

Welcome! Message appears

### What's New

Online Article Submission Available

 Journals (271)

 Open Access (26)

 Subjects (21)

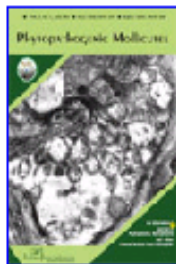
### Last week's downloads (From 14-Jul-2014 to 20-Jul-2014)



#### Most Read Article

[Effect of Media, pH, Temperature, Host range and Fungicides on](#)  
[\[Annals of Plant Protection Sciences, Vol. 17, Issue 2\]](#)

Downloads:566



AGRICULTURE



APPLIED SCIENCE



MANAGEMENT



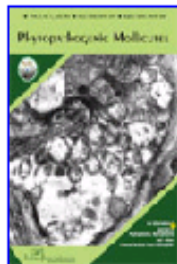
DeBOOKS  
A product of Diva Enterprises Pvt. Ltd.



Globe Publication Pvt. Ltd.  
International Subscription Agency



## Gateway to access, disperse and preserve knowledge!



AGRICULTURE



APPLIED SCIENCE



MANAGEMENT



Search for:

in

*Example: Plant\* OR "Nano technology"*

in

*Example: Sharma A\* OR Sharma A (enter lastname first then enter firstname)*

*Example: IIMS Journa..., arrow keys to select*

Click to View Journals

### What's New

Online Article Submission Available

Journals (271)

Open Access (26)

Subjects (21)

### Last week's downloads (From 14-Jul-2014 to 20-Jul-2014)



#### Most Read Article

[Effect of Media, pH, Temperature, Host range and Fungicides on](#)  
[\(Annals of Plant Protection Sciences, Vol. 17, Issue 2\)](#)

Downloads:566

Welcome Guest  
Please Login

Email id

Unable to login ???  
Forgot password  
New user?  
Click to Register



# Browse publications

## Currently showing

- All publications
- Open Access publications
- Subscribed publications
- Subscribed and Open Access publications

Go

Check type of publication to browse

No. of publication(s) available for the selection(s) made: 271

- Subscribed
- Open Access
- Non-Subscribed

## Journals

**J**ournal title

A B C D E F G H I J

Color coding for type of publication

- Academic Discourse**  
[ S A Jain College ]
- ACADEMICIA: An International Multidisciplinary Research Journal**  
[ South Asian Academic Research Journals ]
- Advances in Applied Research**  
[ PSGR Krishnammal College for women ]
- Advances in Life Sciences**  
[ Society for Advancement of Science and Rural Development ]
- Afro Asian Journal of Anthropology and Social Policy**  
[ IndianJournals.com ]
- Agricultural Economics Research Review**  
[ Agricultural Economics Research Association ] **\*\*Archive Available\*\***
- Agricultural Engineering Today**

- ① **International Journal of Applied Research on Information Technology and Computing**  
[ IndianJournals.com ]
- ① **International Journal of Applied Science and Engineering**  
[ New Delhi Publishers ]
- ① **International Journal of Bio-resource and Stress Management**  
[ Puspa Publishing House ]
- ① **International Journal of Bioinformatics and Biological Science**  
[ New Delhi Publishers ]
- ① **International Journal of Civil & Structural Engineering**  
[ Integrated Publishing Association ]
- ① **International Journal of Contemporary Medicine**  
[ Dr. R.K. Sharma ]
- ① **International Journal of Contemporary Surgery**  
[ Dr. R.K. Sharma ]
- ① **International Journal of Data Mining And Emerging Technologies**  
[ IndianJournals.com ]
- ① **International Journal of Engineering, Science and Mathematics**  
[ International Journals of Multidisciplinary Research Academy ]
- ① **International Journal of Environmental Sciences**  
[ Integrated Publishing Association ]
- ① **International Journal of Fermented Foods**  
[ New Delhi Publishers ]
- ① **International Journal of Food and Fermentation Technology**  
[ New Delhi Publishers ]
- ① **International Journal of Geomatics and Geosciences**  
[ Integrated Publishing Association ]
- ① **International Journal of Global Business and Competitiveness**  
[ Global Institute of Flexible Systems Management ]
- ① **International Journal of Management, IT and Engineering**  
[ International Journals of Multidisciplinary Research Academy ]
- ① **International Journal of Marketing and Technology**  
[ International Journals of Multidisciplinary Research Academy ]
- ① **International Journal of Medical Research & Health Sciences**  
[ International Journal of Medical Research & Health Sciences ]

Click on the subscribed Journal





Click to view Current Issue

Email id

Log In



International Journal of Data Mining And Emerging Technologies

Year 2014, Volume-4, Issue-1 (May)

Print ISSN : 2249-3212

Online ISSN : 2249-3220

EMERGING TECHNOLOGIES

Journal Home

Current Issue

Archive

Previous Issue

Registration

Editorial Board

Aims & Scope

Author

Guidelines

News & Events

Subscribe TOC

Alerts

Online Submission

OJPMS

FREE

Sample Issue

Trial Access

Table of contents [RSS Feed](#)

## Research Articles

[Improving Efficiency of Relational Classification Technique Based on Relational Database Using](#)

[Contribution of Tables](#)

*Amit Thakkar, Y.P. Kosta*

DOI:[10.5958/2249-3220.2014.00015.9](#)

[Enhanced Categorization of Wheat Seeds by Integrating Ensemble Methods with Decision Tree Identifi](#)

[ed Significant Features](#)

*Asha Gowda Karegowda*

DOI:[10.5958/2249-3220.2014.00016.0](#)

[Link Analysis for Communities Detection on Facebook](#)

*Mohamed Adnane Mellah, Abdelmalek Amine, Reda Mohamed Hamou, A.V. Senthil Kumar*

DOI:[10.5958/2249-3220.2014.00017.2](#)

[Factors Affecting the Dropout Students Using Discriminant Analysis and Association Rule](#)





## International Journal of Data Mining And Emerging Technologies

Year 2014, Volume-4, Issue-1 (May)

Print ISSN : 2249-3212

Online ISSN : 2249-3220

Table of contents [RSS Feed](#)

- [Journal Home](#)
- [Current Issue](#)
- [Archive](#)
- [Previous Issue](#)
- [Registration](#)
- [Editorial Board](#)
- [Aims & Scope](#)
- [Author Guidelines](#)
- [News & Events](#)
- [Subscribe TOC Alerts](#)

### Research Articles

[Improving Efficiency of Relational Classification Technique Based on Relational Database Using Contribution of Tables](#)

*Amit Thakkar, Y.P. Kosta*

DOI:[10.5958/2249-3220.2014.00015.9](#)

[Enhanced Categorization of Wheat Seeds by Integrating Ensemble Methods with Decision Tree Identified Significant Features](#)

*Asha Gowda Karegowda*

DOI:[10.5958/2249-3220.2014.00016.0](#)

[Link Analysis for Communities Detection on Facebook](#)

*Mohamed Adhane Mellah, Abdelmalek Amine, Reda Mohamed Hamou, A.V. Senthil Kumar*

DOI:[10.5958/2249-3220.2014.00017.2](#)

[Factors Affecting the Dropout Students Using Discriminant Analysis and Association Rule](#)

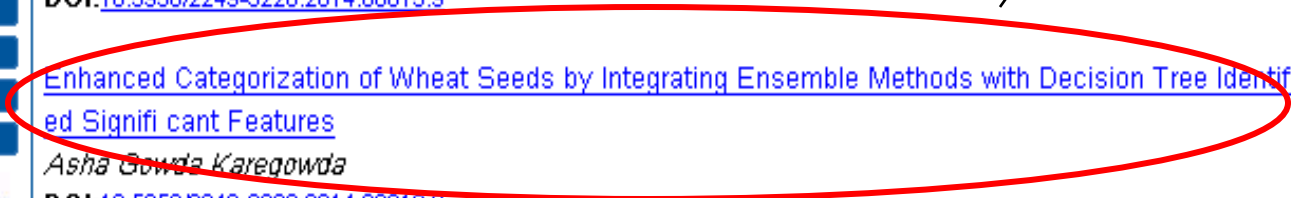
*Sweta Raj, Priyanka Saini, Ajit Kumar Jain*

DOI:[10.5958/2249-3220.2014.00018.4](#)

[A Novel Discretization Method for Continuous Attributes: A Machine Learning Approach](#)

*G. G. Madhu, T.V. Rajinikanth, A. Govardhan*

Click on article





- [Current Issue](#)
- [Archive](#)
- [TOC](#)
- [Registration](#)
- [Editorial Board](#)
- [Aims & Scope](#)
- [Author](#)
- [Guidelines](#)
- [News & Events](#)
- [Subscribe TOC](#)
- [Alerts](#)

# Enhanced Categorization of Wheat Seeds by Integrating Ensemble Methods with Decision Tree Identified Significant Features

Karegowda Asha Gowda

Associate Professor, Department of Master of Computer Applications, Siddaganga Institute of Technology, Visvesvaraya Technological University, Tumkur, Karnataka, India. E-mail id: [ashagksit@gmail.com](mailto:ashagksit@gmail.com)

*Online published on 10 June, 2014.*

*Online Submission*  
*OJPMS*

FREE

Sample Issue

Trial Access

## Abstract

Data mining has great potential for exploring the hidden patterns in different domains. This paper presents the development of an ensemble model, using bagging and multiboost with five base classifiers: RBF, Naïve Bayes, Bayesian, K-nearest classifier and SVM. The development of the model involved two stages: (i) identify the group-sensitive attributes in the large database pertaining to wheat seeds dataset using decision tree and (ii) make a fine-tuned classification using bagging and multi-boost ensemble with five different base classifiers using the sensitive attributes elicited in the first stage. The publicly available wheat seed dataset has been used for the development of the model. Computational experimentations have been conducted using ten-fold cross validations. This investigation conclusively proves the significance of cascading decision tree for feature selection with ensemble methods, namely, bagging and multiboost for the enhanced categorization of wheat dataset.

[Top](#)

## Keywords

Feature selection, Ensemble learning, Bagging, Multiboost, Base classifiers, De

Click to view full text

[Top](#)





- Home
- My Profile
- Registration
- Products
- Article Submission
- Usage Statistics
- Price List 2014
- News & Events
- About us
- Contact Us
- Tutorial

Click to view Archive

Email id

Log In

## List of Issues

Show all Issues || Hide all Issues

2014

 Volume-4, Issue-1 (May)

2013

 Volume-3, Issue-2 (November)

 Volume-3, Issue-1 (May)

2012

 Volume-2, Issue-2 (November)

 Volume-2, Issue-1 (May)


2011


 Volume-1, Issue-2 (November)

 Volume-1, Issue-1 (May)

[Top](#)

 = Subscribed

 = Non - Subscribed

 = Open Access

International Journal of  
**DATA MINING**  
EMERGING TECHNOLOGIES

- Journal Home
- Current Issue
- Archive**
- Registration
- Editorial Board
- Aims & Scope
- Author
- Guidelines
- News & Events
- Subscribe TOC
- Alerts

List of all the issues

Online Submission  
**OJPMS**

FREE

Sample Issue

Trial Access



- Home
- My Profile
- Registration
- Products
- Article Submission
- Usage Statistics
- Price List 2014
- News & Events
- About us
- Contact Us
- Tutorial

Email id

Log In


## List of Issues


Show all Issues || Hide all Issues

2014


 Volume-4, Issue-1 (May)

2013

 Volume-3, Issue-2 (November)

 Volume-3, Issue-1 (May)

2012

 Volume-2, Issue-2 (November)

 Volume-2, Issue-1 (May)


2011


 Volume-1, Issue-2 (November)

 Volume-1, Issue-1 (May)

[Top](#)

 = Subscribed

 = Non - Subscribed

 = Open Access

List of all the issues

Click to view Issue

International Journal of  
**DATA MINING**  
EMERGING TECHNOLOGIES

- Journal Home
- Current Issue
- Archive
- Registration
- Editorial Board
- Aims & Scope
- Author
- Guidelines
- News & Events
- Subscribe TOC
- Alerts

Online Submission  
**OJPMS**

FREE

Sample Issue

Trial Access



word

Log In

- Home
- My Profile
- Registration
- Products
- Help
- About us
- News & Events
- Price List 2010
- Contact Us

Check to view Open Access Publications

Currently showing

- All publications
- Open Access publications
- Subscribed publications
- Subscribed and Open Access publications

Go

No. of publication(s) available for the selection(s) made:

- Journals
- Books
- Bulletins
- Newsletters

Click here for Open Access Publications

Quick Search

Search

Advanced Search

Ads by Google

- Online Journal
- News Journals
- Main Journal
- Daily Journals

Journals

Journal title

A B C

P Q R S T U V W X Y Z

Open Access publications are marked with Green Color

- Anil Aggrawal's International Journal of Forensic Medicine and Toxicology [ Professor Anil Aggrawal ]
- Annals and Essays in Forensic Medicine [ Dr. E. Vanaja ]
- Fire Engineer [ Institution of Fire Engineers ]
- Global Journal of Flexible Systems Management [ Global Institute of Flexible Systems Management ]
- Global Journal of e-Business and Knowledge Management [ Global Institute of Flexible Systems Management ]
- Indian Journal of Sleep Medicine [ The Indian Sleep Disorders Association ]
- International Journal of Applied Engineering Research, Dindigul [ Integrated Publishing Association ]
- International Journal of Civil & Structural Engineering [ Integrated Publishing Association ]
- International Journal of Environmental Sciences [ Integrated Publishing Association ]
- International Journal of Geomatics and Geosciences [ Integrated Publishing Association ]
- International Journal of Global Business and Competitiveness [ Global Institute of Flexible Systems Management ]
- Journal of Bombay Veterinary College (The) [ Bombay Veterinary College Alumni Association ]
- Journal of Neonatology [ National Neonatology Forum ]
- Journal of Research, SKUAST-J [ Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu ]

Open access publications get listed

Top

Top

Top

Top

Top

- ❖ Do not share your password with anybody.
- ❖ After the session, please logout properly.
- ❖ In case you are getting the message “Already in use”, please re-login after 30 minutes.

*Thank You*