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Authors: all of [input type="text"] ?

Date: [input type="text"] ?

Article  Monograph  
 Audio  Newspaper  
 Book  Speech  
 Book Section  Thesis

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Documents: all of [input type="text"] ?

Title: all of [input type="text" value="Rice Predictive Analysis Mechanism Utilizing"] ?

Authors: all of [input type="text"] ?

Date: [input type="text"] ?

Item Type:

Article  Monograph  
 Audio  Newspaper  
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 Book Section  Thesis  
 Bulletin  UMP News  
 Conference or Workshop Item  Undergraduates Project Papers  
 Image  Patent  
 Video  
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2-2

2-3

3. Title page as shown. Click on title to see the record.

Displaying results 1 to 1 of 1.  
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1. Zuriani, Mustafa and M. H., Sulaiman (2015) [rice Predictive Analysis Mechanism Utilizing Grey Wolf Optimizer-Least Squares Support Vector Machines](#). ARPN Journal of Engineering and Applied Sciences, 10 (23). pp. 17486-17491. ISSN 1819-6608 

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4. Record page.

## Rice Predictive Analysis Mechanism Utilizing Grey Wolf Optimizer-Least Squares Support Vector Machines

[Click here for a simple search.](#)

Zuriani, Mustafa and M. H., Sulaiman (2015) *Rice Predictive Analysis Mechanism Utilizing Grey Wolf Optimizer-Least Squares Support Vector Machines*. ARPN Journal of Engineering and Applied Sciences, 10 (23). pp. 17486-17491. ISSN 1819-6608



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### Abstract

A good selection of Least Squares Support Vector Machines (LSSVM) hyper-parameters' value is crucial in order to obtain a promising generalization on the unseen data. Any inappropriate value set to the hyper parameters would directly demote the prediction performance of LSSVM. In this regard, this study proposes a hybridization of LSSVM with a new Swarm Intelligence (SI) algorithm namely, Grey Wolf Optimizer (GWO). With such hybridization, the hyper-parameters of interest are automatically optimized by the GWO. The performance of GWO-LSSVM is realized in predictive analysis of gold price and measured based on two indices viz. Mean Absolute Percentage Error (MAPE) and Root Mean Square Error (RMSPE). Findings of the study suggested that the GWO-LSSVM possess lower prediction error rate as compared to three comparable algorithms which includes hybridization models of LSSVM and Evolutionary Computation (EC) algorithms.

**Item Type:** Article

**Uncontrolled Keywords:** Gold price predictive analysis; grey wolf optimizer; least square support vector machines

**Subjects:** [Q Science > QA Mathematics > QA75 Electronic computers. Computer science](#)

**Faculty/Division:** [Faculty of Computer System And Software Engineering](#)  
[Faculty of Electrical & Electronic Engineering](#)

**ID Code:** 16363

 [umpir.ump.edu.my/16363/](http://umpir.ump.edu.my/16363/)

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## Simple Search

1. Type the title you want to search (at the right side or center) -- Click Search Button

The screenshot shows the search interface of the UMP Institutional Repository. The browser address bar displays `umpir.ump.edu.my/cgi/search/simple`. The page title is "Simple Search". A search input field contains the text "Automatic System for Improving Underwater Image" and a "Search" button is located to its right. A red arrow points from the search input field to the search button. The page also features a navigation menu on the left with links for Home, Introduction, Latest Edition, Browse Repository, and Search. On the right, there is an "Introduction" section with text about the repository's purpose.

2. Click the Title Page when it appears.

The screenshot shows the search results page. The main heading reads "Item matches 'Automatic System for Improving Underwater Image Contrast and Color Through Recursive Adaptive Histogram Modification'". Below this, there is a link "Click here for a simple search.". The results section displays "Displaying results 1 to 1 of 1." and includes links for "Refine search", "New search", and "Save search". The results are ordered "by year (most recent first)". There is an "Export" button and an "ASCII Citation" dropdown menu. The search results list one entry: "Ahmad Shahrizan, Abdul Ghani and Mat Isa, Nor Ashidi (2017) *Automatic System for Improving Underwater Image Contrast and Color Through Recursive Adaptive Histogram Modification*. Computers and Electronics in Agriculture, 141 . pp. 181-195. ISSN 0168-1699". A red arrow points from the search button in the previous screenshot to the search results.

## 3. Record page.

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Ahmad Shahrizan, Abdul Ghani and Mat Isa, Nor Ashidi (2017) *Automatic System for Improving Underwater Image Contrast and Color Through Recursive Adaptive Histogram Modification*. Computers and Electronics in Agriculture, 141 . pp. 181-195. ISSN 0168-1699

 [PDF](#)  
186Kb

Official URL: <http://dx.doi.org/10.1016/j.compag.2017.07.021>

**Abstract**

Contrast and color are important attributes to extract and acquire much information from underwater images. However, normal underwater images contain bright foreground and dark background areas. Previous enhancement methods enhance the foreground areas but retain darkness and blue-green illumination of background areas. This study proposes a new method of enhancing underwater image, which is called recursive adaptive histogram modification (RAHIM), to modify image histograms column wisely in accordance with Rayleigh distribution. Modifying image saturation and brightness in the hue–saturation–value color model increases the natural impression of image color through the human visual system. Qualitative and quantitative evaluations prove the effectiveness of the proposed method. Comparison with state-of-the-art methods shows that the proposed method produces the highest average entropy, measure of enhancement (EME), and EME by entropy with the values of 7.618, 28.193, and 6.829, respectively.

<b>Item Type:</b>	Article
<b>Additional Information:</b>	Indexes in Scopus. IF: 2.201
<b>Uncontrolled Keywords:</b>	Underwater image; Contrast enhancement; Color improvement; Recursive overlapped area; Dual-intensity image
<b>Subjects:</b>	<a href="#">S Agriculture &gt; S Agriculture (General)</a> <a href="#">S Agriculture &gt; SH Aquaculture, Fisheries, Angling</a> <a href="#">T Technology &gt; TE Electrical engineering, Electronics Nuclear engineering</a> <a href="#">T Technology &gt; TP Photography</a>
<b>Divisions:</b>	<a href="#">Faculty of Manufacturing Engineering</a>
<b>ID Code:</b>	18464
<b>Deposited By:</b>	Dr. Ahmad Shahrizan Abdul Ghani
<b>Deposited On:</b>	06 Sep 2017 09:34
<b>Last Modified:</b>	07 Nov 2017 12:01

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## Advanced Search

1. Type the title you want to search – Tick item type – Tick Status of publication – Tick type –Click Search.

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110%

Search

### Advanced Search

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Search Reset the form

**Documents:** all of [ ]

**Title:** all of [ ] Nonstructural Damages of Reinforced Concrete Build [ ? ]

**Authors:** all of [ ] [ ? ]

**Abstract:** all of [ ] [ ? ]

**Date:** 2017 [ ? ]

**Uncontrolled Keywords:** all of [ ] [ ? ]

**Subjects:**

- A General Works
- ...AC Collections. Series. Collected works
- ...AI Indexes (General)
- ...AM Museums (General). Collectors and collecting (General)
- ...AS Academies and learned societies (General)
- ...AZ History of Scholarship The Humanities
- B Philosophy. Psychology. Religion
- ...B Philosophy (General)
- ...BC Logic
- ...BD Speculative Philosophy
- ...BF Psychology
- ...BH Aesthetics

Any of these [ ] [ ? ]

**Item Type:**

<input type="checkbox"/> Article	<input type="checkbox"/> Monograph
<input type="checkbox"/> Audio	<input type="checkbox"/> Newspaper
<input type="checkbox"/> Book	<input type="checkbox"/> Speeches
<input type="checkbox"/> Book Section	<input type="checkbox"/> Thesis
<input type="checkbox"/> Proceedings	<input type="checkbox"/> UMP News
<input type="checkbox"/> Bulletin	<input type="checkbox"/> Undergraduates Project Papers
<input checked="" type="checkbox"/> Conference or Workshop Item	<input type="checkbox"/> Patent
<input type="checkbox"/> Image	<input type="checkbox"/> Video
<input type="checkbox"/> Intellectual Property (IP)	<input type="checkbox"/> Other

[ ? ]

**Department:** all of [ ] [ ? ]

**Editors:** all of [ ] [ ? ]

**Status:**

- Published
- In Press
- Submitted
- Unpublished

[ ? ]

**Refereed:** No Preference [ ] [ ? ]

**Journal or Publication Title:** all of [ ] [ ? ]

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<input type="checkbox"/> HTML	<input type="checkbox"/> Video (MPEG)
<input checked="" type="checkbox"/> PDF	<input type="checkbox"/> Video (QuickTime)
<input type="checkbox"/> Postscript	<input type="checkbox"/> Video (AVI)
<input type="checkbox"/> Plain Text	<input type="checkbox"/> XML
<input type="checkbox"/> Rich Text (RTF)	<input type="checkbox"/> Archive (BZ2)
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<input type="checkbox"/> Image (TIFF)	<input type="checkbox"/> Other

[ ? ]

**Retrieved records must fulfill:** all of these conditions [ ] [ ? ]

**Order the results:** by year (most recent first) [ ] [ ? ]

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## 2. Click on the Title Page when it appears.

Title matches "Nonstructural Damages of Reinforced Concrete Buildings Due to 2015 Ranau Earthquake" (Ignoring: "to", "of") AND Date is 2017 AND Item Type matches any of "Conference or Workshop Item" AND Status matches any of "Published" AND Type matches any of "PDF"

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1. Mohd Irwan, Adiyanto and Majid, Taksiah A. and Fadzli, Mohamed Nazri (2017) [Nonstructural Damages of Reinforced Concrete Buildings Due to 2015 Ranau Earthquake](#). In: AIP Conference Proceedings: Proceeding of the 3rd International Conference of Global Network for Innovative Technology 2016 (3rd IGNITE-2016), 27-29 January 2016 , Penang, Malaysia. pp. 1-6., 1865 (090002). ISBN 978-0-7354-1545-4 Item availability restricted.

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## 3. Record page.

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**Nonstructural Damages of Reinforced Concrete Buildings Due to 2015 Ranau Earthquake**

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Mohd Irwan, Adiyanto and Majid, Taksiah A. and Fadzli, Mohamed Nazri (2017) *Nonstructural Damages of Reinforced Concrete Buildings Due to 2015 Ranau Earthquake*. In: AIP Conference Proceedings: Proceeding of the 3rd International Conference of Global Network for Innovative Technology 2016 (3rd IGNITE-2016), 27-29 January 2016 , Penang, Malaysia. pp. 1-6., 1865 (090002). ISBN 978-0-7354-1545-4

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Official URL: <https://doi.org/10.1063/1.4993403>

**Abstract**

On 15th June 2016 a moderate earthquake with magnitude Mw5.9 was occurred in Sabah, Malaysia. Specifically, the epicentre was located at 16 km northwest of Ranau. Less than two days after the first event, a reconnaissance mission took action to investigate the damages on buildings. Since the reinforced concrete buildings in Ranau were designed based on gravity and wind load only, a lot of minor to severe damages was occurred. This paper presents the damages on the nonstructural elements of reinforced concrete buildings due to Ranau earthquake. The assessment was conducted via in-situ field investigation covering the visual observation, taking photo, and interview with local resident. Based on in-situ field investigation, there was a lot of damages occurred on the nonstructural elements like the brick walls. Such damages cannot be neglected since it can cause injury and fatality to the victims. Therefore, it can be concluded that the installation of nonstructural elements should be reviewed for the sake of safety.

**Item Type:** Conference or Workshop Item (Lecture)

**Uncontrolled Keywords:** Ranau earthquake; Nonstructural damages; In-situ field investigation

**Subjects:** [T Technology > T Technology \(General\)](#)

**Divisions:** [Faculty of Civil Engineering & Earth Resources](#)

**ID Code:** 18748

**Deposited By:** Mr. Mohd Safwan Rizal Saripudin

**Deposited On:** 29 Nov 2017 15:20

**Last Modified:** 29 Nov 2017 15:20

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