**Table of contents**

[**Volume 1442**](https://iopscience.iop.org/volume/1742-6596/1442)

January 2020

[Previous issue](https://iopscience.iop.org/issue/1742-6596/1441/1)[Next issue](https://iopscience.iop.org/issue/1742-6596/1443/1)

**Basic and Applied Sciences Interdisciplinary Conference 2017 18–19 August 2017, UI Depok Campus, Indonesia**

Accepted papers received: 23 December 2019  
Published online: 29 January 2020

[View all abstracts](https://iopscience.iop.org/issue/1742-6596/1442/1)

Top of Form

**Preface**

011001

The following article is Open access

[Preface from the editors](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011001)

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011001/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011001/pdf)

011002

The following article is Open access

[Scientific Committee](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011002)

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011002/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011002/pdf)

011003

The following article is Open access

[Organizing Committee](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011003)

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011003/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011003/pdf)

011004

The following article is Open access

[Sponsor](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011004)

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011004/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011004/pdf)

011005

The following article is Open access

[Delegate\_List](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011005)

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011005/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011005/pdf)

011006

The following article is Open access

[Peer review statement](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011006)

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011006/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/011006/pdf)

**Papers**

012001

The following article is Open access

[Evaluation of analytical model for magnetic field distribution in magnetizing fixture study](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012001)

F Oemry, B Hermanto, P Prawito, A Oemry and P Sebayang

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012001/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012001/pdf)

012002

The following article is Open access

[Manganese doping on the structural properties of TiO2 and ZnO nanoparticles](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012002)

N F Djaja, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012002/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012002/pdf)

012003

The following article is Open access

[Synthesis of polyaniline by chemical oxidative polymerization and characteristic of conductivity and reflection for various strong acid dopants](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012003)

Y J Prasutiyo, A Manaf and M A E Hafizah

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012003/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012003/pdf)

012004

The following article is Open access

[Side-scan sonar investigations and marine seismic of identification object](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012004)

M Z Lubis, W Anurogo, S N Chayati, L R Sari, H M Taki and S Pujiyati

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012004/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012004/pdf)

012005

The following article is Open access

[Photocatalytic degradation of methylene blue (MB) by UV-light irradiation using SnO2/CeO2 modified nanographene platelets (NGP)](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012005)

V Paramarta, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012005/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012005/pdf)

012006

The following article is Open access

[Effect of Fe doping on the electrical properties of BaTiO3 crystalline materials at room temperature](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012006)

D Triyono, B Betria and H Laysandra

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012006/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012006/pdf)

012007

The following article is Open access

[Synthesis of biodegradable plastics using corn starch and corn husk as the fillers as well as chitosan and sorbitol](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012007)

D Amalia, D Saleh and E Djonaedi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012007/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012007/pdf)

012008

The following article is Open access

[Structural and optical study of Cu-doped TiO2 nanoparticles synthesized by co-precipitation method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012008)

H Sokoidanto, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012008/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012008/pdf)

012009

The following article is Open access

[Calculation of magnetic moment of inverse-Heusler alloy Fe2CuAl via first-principles-based tight-binding model](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012009)

A Azhar, M A Majidi and D Nanto

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012009/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012009/pdf)

012010

The following article is Open access

[The role of pH in the biosynthesis of Fe3O4 nanoparticles prepared from Fe(III) nitrate and matoa leaf extract](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012010)

D Sholawati, S Syarifah, D Djuhana, W Handayani and C Imawan

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012010/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012010/pdf)

012011

The following article is Open access

[Comparison of Ag and Zr substitution on the structural and optical behaviour of ZnO nanoparticles](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012011)

N F Djaja, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012011/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012011/pdf)

012012

The following article is Open access

[Annealing-temperature dependence of the electrical properties of Ba0.8Pb0.2TiO3 as a PTC material](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012012)

D Triyono, A Akbar and H Laysandra

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012012/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012012/pdf)

012013

The following article is Open access

[Tight-binding based modeling to demonstrate metal-insulator transition in VO2 within Mott-Hubbard picture](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012013)

G R Liyana, A D Fauzi and M A Majidi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012013/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012013/pdf)

012014

The following article is Open access

[Adsorption performance of Ag/Fe3O4/ZrO2 composite decorated with graphene toward methylene blue dye](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012014)

Y Kristianto, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012014/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012014/pdf)

012015

The following article is Open access

[Room-temperature electrical properties of the double perovskite material Sr2FeTiO6 synthesized by the solid-state method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012015)

D Dona, H Laysandra and D Triyono

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012015/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012015/pdf)

012016

The following article is Open access

[Bio-nanocomposite of polyvinyl alcohol/Tapanuli organoclay-intercalated surfactant HDTMA-Br: synthesis, tensile and degradation tests](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012016)

M Aminuddin, Y K Krisnandi and A L Juwono

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012016/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012016/pdf)

012017

The following article is Open access

[Effect of Ni doping on the structural and optical properties of TiO2 nanoparticles prepared by co-precipitation method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012017)

D Cahyaningsih, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012017/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012017/pdf)

012018

The following article is Open access

[Point dose measurements for brachytherapy with a cylinder applicator](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012018)

R Rahmawati, W E Wibowo and S A Pawiro

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012018/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012018/pdf)

012019

The following article is Open access

[The effects of adding Ag and graphene to Fe3O4/TiO2 nanocomposites on adsorptive and sonophotocatalytic capabilities](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012019)

M Fauzian, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012019/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012019/pdf)

012020

The following article is Open access

[Effect of Sr substitution on electrical polarization of Ba1-xSrxTiO3 (x = 0.0, 0.2, 0.6, and 0.8) perovskite materials](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012020)

E Yeceu, H Laysandra and D Triyono

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012020/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012020/pdf)

012021

The following article is Open access

[Analysis of optical and structural properties of Ti-doped ZnO nanoparticles synthesized by co-precipitation method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012021)

I Darmadi, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012021/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012021/pdf)

012022

The following article is Open access

[Theoretical study on production of stable and radioactive isotopes from proton irradiated sodium chloride](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012022)

I Kambali

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012022/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012022/pdf)

012023

The following article is Open access

[Synthesized vanadium doped ZnO through the co-precipitation method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012023)

N F Djaja, A Taufik and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012023/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012023/pdf)

012024

The following article is Open access

[Biosynthesis of silver nanoparticles using the leaf and stem bark of *Diospyros discolor* Willd. (Ebenaceae)](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012024)

M Nurfadilah, W Suffan, K Secario, W Handayani and C Imawan

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012024/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012024/pdf)

012025

The following article is Open access

[LaMnO3/ZnO/NGP composite: synthesis, characterization and its application for wastewater treatment](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012025)

Y D Susanti, N Afifah and R Saleh

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012025/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012025/pdf)

012026

The following article is Open access

[Modeling total crime and the affecting factors in Central Java using geographically weighted regression](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012026)

T Runadi, Y Widyaningsih and D Lestari

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012026/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012026/pdf)

012027

The following article is Open access

[Comparison of Support Vector Machine Recursive Feature Elimination and Kernel Function as feature selection using Support Vector Machine for lung cancer classification](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012027)

Z Rustam and S A A Kharis

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012027/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012027/pdf)

012028

The following article is Open access

[Comparing Poisson-Inverse Gaussian Model and Negative Binomial Model on case study: horseshoe crabs data](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012028)

G N Putri, S Nurrohmah and I Fithriani

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012028/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012028/pdf)

012029

The following article is Open access

[Analysis of satisfaction and loyalty level of online taxi bike customer](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012029)

M N Pratiwi, R Setiadi and T Siswantining

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012029/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012029/pdf)

012030

The following article is Open access

[Robust Ridge regression to solve a multicollinearity and outlier](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012030)

N E Jeremia, S Nurrohmah and I Fithriani

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012030/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012030/pdf)

012031

The following article is Open access

[Stock portfolio optimization using priority index and genetic algorithm](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012031)

V D Vasiani, B D Handari and G F Hertono

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012031/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012031/pdf)

012032

The following article is Open access

[Estimation of variance of random effect in small area model with Spatial Empirical Best Linear Unbiased Prediction (SEBLUP)](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012032)

T Siswantining, M G Naima and S M Soemartojo

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012032/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012032/pdf)

012033

The following article is Open access

[Relationships pattern of social media addiction level to morality level, apathetic level and academic score](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012033)

I Ralasari, R Setiadi and S M Soemartojo

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012033/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012033/pdf)

012034

The following article is Open access

[Determination of net premium rates on Bonus-Malus system based on frequency and severity distribution](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012034)

A S Pratama, S Nurrohmah and M Novita

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012034/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012034/pdf)

012035

The following article is Open access

[Implementation of K-Means and crossover ant colony optimization algorithm on multiple traveling salesman problem](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012035)

N Kusumahardhini, G F Hertono and B D Handari

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012035/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012035/pdf)

012036

The following article is Open access

[Modeling the relationship of factors that shaped student's loyalty](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012036)

E F Haqka, R Setiadi and T Siswantining

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012036/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012036/pdf)

012037

The following article is Open access

[Construction of parametric equation for equilateral triangle vertices with integer coordinates](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012037)

M Yumia and H Tasman

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012037/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012037/pdf)

012038

The following article is Open access

[Claim reserve prediction using the credibility theory for the Chain Ladder method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012038)

S Karmila, S Nurrohmah and S F Sari

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012038/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012038/pdf)

012039

The following article is Open access

[Hermite-Hadamard-Fejèr type inequalities for s-convex functions in the second sense via Riemann-Liouville fractional integral](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012039)

M T Hakiki and A Wibowo

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012039/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012039/pdf)

012040

The following article is Open access

[Preference analysis of determining jobs using conjoint analysis](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012040)

R D Karima, R Setiadi and T Siswantining

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012040/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012040/pdf)

012041

The following article is Open access

[Digital image steganography by using edge adaptive based chaos cryptography](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012041)

A Delmi, S Suryadi and Y Satria

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012041/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012041/pdf)

012042

The following article is Open access

[Intrusion detection system model using Fuzzy Kernel C-Means and Laplacian Score feature selection](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012042)

Z Rustam and J Maharani

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012042/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012042/pdf)

012043

The following article is Open access

[Estimating parameter in two-way analysis of variance when variance between cells is heterogeneous](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012043)

A Marantika, I Fithriani and S Nurrohmah

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012043/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012043/pdf)

012044

The following article is Open access

[Influence of inducers, Tween 80, and agitation on the enhancing decolorization of black liquor by *Trametes versicolor* F200](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012044)

Z Zahra, U Hanifah, R I F Anggraini, A A Sari and A Saefumillah

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012044/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012044/pdf)

012045

The following article is Open access

[In vitro antiplatelet activity tests conducted on bromelain extracted from the pineapple plant and purified by ion-exchange chromatography using a diethylaminoethyl cellulose xolumn](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012045)

V D Rahmawati, S Setiasih and S Hudiyono

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012045/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012045/pdf)

012046

The following article is Open access

[Characterization of nanoemulsion gotukola, mangosteen rind, cucumber and tomato extract for cosmetic raw material](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012046)

M Septiyanti and Y Meliana

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012046/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012046/pdf)

012047

The following article is Open access

[Catalytic conversion of citronellal to citronellol over skeletal Ni catalyst](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012047)

S Sudiyarmanto, I B Adilina, R R Aditya, D Sukandar and S Tursiloadi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012047/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012047/pdf)

012048

The following article is Open access

[Effect of cobalt supported on the hierarchical Ni/HZSM-5 catalyst in hydrocracking of Sunan candlenut oil *(Reutealis trisperma* (Blanco) airy shaw)](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012048)

L Marlinda, M Al-Muttaqii, A Roesyadi and D H Prajitno

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012048/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012048/pdf)

012049

The following article is Open access

[Investigation of metalloporphyrin in maltenes phase of crude oil Duri](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012049)

A C Suwarno, Y Yulizar, H Haerudin, I Kurniawaty and D O B Apriandanu

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012049/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012049/pdf)

012050

The following article is Open access

[The efficiency of hydrogen production by water electrolysis with bitter melon as a media using stainless steel/Fe-Co-Ni electrodes](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012050)

I S Y Louise, H P Aloysius and S Sulistyani

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012050/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012050/pdf)

012051

The following article is Open access

[Preparation and characterisation of bismuth-doped TiO2 nanotubes (Bi–TiO2–NT) and its photocatalytic activity test for rhodamine B elimination under visible light](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012051)

M A Aqil and J Gunlazuardi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012051/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012051/pdf)

012052

The following article is Open access

[Discovery of novel drug candidates based on herbaric acid derivates as potential inhibitors of the hedgehog signaling pathway in cervical cancer therapeutics](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012052)

M A F Nasution, A A Parikesit and U S F Tambunan

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012052/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012052/pdf)

012053

The following article is Open access

[Synthesis of ion-imprinted polymer with gamma irradiation for the adsorption of Tripolyphosphate](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012053)

S Anwar, A Saefumillah and M Suhartini

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012053/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012053/pdf)

012054

The following article is Open access

[Development of a non-enzymatic urea sensor based on a Ni/Au electrode](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012054)

A D Irzalinda, J Gunlazuardi and R Wibowo

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012054/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012054/pdf)

012055

The following article is Open access

[Selectivity of zinc-molybdenum catalyst to produce gasoil via catalytic hydrocracking of Kapook seed oil (*Ceiba pentandra*)](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012055)

Y W Mirzayanti, F Kurniawansyah, D H Prajitno and A Roesyadi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012055/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012055/pdf)

012056

The following article is Open access

[Encapsulation of cinnamic acid and galangal extracts in coconut *(Cocos nucifera L.)* liposomes](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012056)

D Hudiyanti, M F Al-Khafiz and K Anam

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012056/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012056/pdf)

012057

The following article is Open access

[Preparation of nitrogen-doped TiO2 nanotube deposited with gold nanoparticles for photocatalytic phenol degradation under visible light](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012057)

R Hadiputra and J Gunlazuardi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012057/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012057/pdf)

012058

The following article is Open access

[Polymerization of the tannin extract from the leave of *Acacia mangium* and its application as an adsorbent for the removal of lead](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012058)

M P Laksmi, D A Nurani and D U C Rahayu

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012058/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012058/pdf)

012059

The following article is Open access

[Development of nitric-oxide-sensor-based gold (Au) and platinum (Pt) metals on screen-printed electrode modified graphene](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012059)

S Nurkhasanah, S Setiasih and R Wibowo

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012059/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012059/pdf)

012060

The following article is Open access

[*Green synthesis* of gold nanoparticles supported in Al-pillared bentonite using aqueous leaf extracts of *Dracaena angustifolia* and their use for reductive degradation of methyl orange](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012060)

M Melvin, R Bakri and Y Yulizar

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012060/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012060/pdf)

012061

The following article is Open access

[Adsorption of mesoporous carbon modified with triethylenetetramine as a function of carbon dioxide flow time](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012061)

F Chrisnardy and Y K Krisnandi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012061/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012061/pdf)

012062

The following article is Open access

[Preparation of a TiO2-based dye-sensitized solar cell comprising anthocyanin from mangosteen pericarp (*Garcinia mangostana, L.*) as the sensitizer: co-pigmentation effect on sensitizer and solar cell efficiency](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012062)

A D Zikri and J Gunlazuardi

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012062/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012062/pdf)

012063

The following article is Open access

[The effect of sulphuric acid and oxalic acid on the formation of anodic aluminium oxide templates using two-step anodization method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012063)

F D Syamdri and R Wibowo

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012063/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012063/pdf)

012064

The following article is Open access

[Non-fecal and fecal coliform tests of ready-to-eat food and drinks using fluorogenic and chromogenic media](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012064)

M R Naratama and I Santoso

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012064/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012064/pdf)

012065

The following article is Open access

[The growth of *Synechococcus* sp RDB001 at temperature of 30 ± 5 °C and 50 ± 5 °C: a comparison study of cell density and chlorophyll content](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012065)

N B Prihantini, R D Anggriary and L R Kusmadji

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012065/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012065/pdf)

012066

The following article is Open access

[The effect of siam orange (*Citrus nobilis* Lour.) and pineapple (*Ananas comosus* (L.) Merr.) juices combination in extender on Garut Ram (*Ovis aries* L.) spermatozoa quality post-cryopreservation](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012066)

H A Saoemi, E M Kaiin, S Setiorini and M Gunawan

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012066/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012066/pdf)

012067

The following article is Open access

[Cloning gene encoding lysophospholipase from *Bacillus halodurans* CM1 to *Escherichia coli* DH5α](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012067)

S Fernanda, A Abinawanto and I Helianti

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012067/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012067/pdf)

012068

The following article is Open access

[The effect of siam orange juice *(Citrus nobilis* Lour.) in extender on Garut Ram *(Ovis aries* L.) spermatozoa quality post-cryopreservation](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012068)

M Gunawan, S Setiorini, H N Fitri and E M Kaiin

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012068/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012068/pdf)

012069

The following article is Open access

[Morphological identification, isolation, and culturing of cyanobacteria derived from hot spring of Cisolok and Galunggung Mountain based on enrichment method](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012069)

N B Prihantini

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012069/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012069/pdf)

012070

The following article is Open access

[Purification of NS2B-NS3 dengue virus serotype 3 protein as raw material for dengue virus vaccine](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012070)

M Arisanti, I Faizal, A Abinawanto and A Bowolaksono

[View abstract](https://iopscience.iop.org/issue/1742-6596/1442/1) [View article](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012070/meta) [PDF](https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012070/pdf)

Bottom of Form

Journal links

* [Journal home](https://iopscience.iop.org/1742-6596)
* [Information for organizers](http://conferenceseries.iop.org/content/organizers)
* [Information for authors](http://conferenceseries.iop.org/content/authors)
* [Search for published proceedings](http://conferenceseries.iop.org/online/search)
* [Contact us](http://conferenceseries.iop.org/content/aboutus)
* [Reprint services from Curran Associates](http://www.proceedings.com/2156.html)

[IOP Science home](https://iopscience.iop.org/)

* [Journals](https://iopscience.iop.org/journals)
* [Books](https://iopscience.iop.org/books)
* [About IOPscience](https://iopscience.iop.org/page/aboutiopscience)
* [Contact us](https://iopscience.iop.org/contact)
* [Developing countries access](https://iopscience.iop.org/info/page/developing-countries-access)
* [IOP Publishing open access policy](https://iopscience.iop.org/info/page/openaccess)

[IOP Publishing home](http://ioppublishing.org)

* [© Copyright 2020 IOP Publishing](https://iopscience.iop.org/page/copyright_notice)
* [Terms & conditions](https://iopscience.iop.org/page/terms)
* [Disclaimer](https://iopscience.iop.org/page/disclaimer)
* [Privacy & cookie policy This link opens in a new tab.](http://ioppublishing.org/privacyPolicy)
* This site uses cookies. By continuing to use this site you agree to our use of cookies.