

Curriculum Vitae of DR. JOSELITO P. LABIS



I. PERSONAL

Full Name: *Joselito Puzon Labis*

Nationality: *Filipino (Philippines)*

Age: *54*

Birthdate: *Apr. 18, 1967*

Birthplace: *Malita, Davao Occidental, Philippines*

Permanent Address: *11-Capricorn St. GSIS Heights, Matina, Davao City, Philippines*

Present Address: *7009 Ibn Ruzain St, Olaya al-masraah District, Riyadh, Saudi Arabia*

Marital Status: *Married*

E-mails: *jlabis@ksu.edu.sa, jlabis@hotmail.com, joselitolabis@yahoo.com, joselitolabis@gmail.com*

Mobile Phone: *+966-500184785*

Office Phone: *+966-1-4670664*

II. EDUCATION AND QUALIFICATIONS

(i) ***Post-doctorate Research Fellowship, Department of Physics, Tamkang University, Tamsui, TAIWAN (2008-2009)***

(Research Areas: XAFS on perovskite manganites and ZnO nanomaterials, Taiwan Light Source (TLS), National Synchrotron Radiation Research Center, Hsinchu City, Taiwan)

(ii) ***Post-doctorate Research Fellowship, Hiroshima Synchrotron Radiation Center (HiSOR), Hiroshima University, Hiroshima, JAPAN (2002-2004)***

(Research Areas: PES and PEEM of oxynitridated of SiC and TM/SiC systems and beamline design and simulation)

(iii) ***Ph.D. Science (Materials Science), Division of Quantum Materials Physics, Okayama University, Okayama, JAPAN, (2002)***

(Ph.D. Dissertation: "Soft X-ray emission study of Ti(film)/SiC(substrate) and photoemission electron imaging of transition metal (Ti, Ni) films on SiC and Si")

(iv) ***M. S. Physics (Plasma Physics), University of the Philippines, Diliman, Philippines (1996)***

(Master's Thesis: "Formation of TiN on metal substrates using the magnetized sheet plasma")

(v) ***B.S. Physics (cum laude/with honors), Mindanao State University, Marawi City, Philippines (1988)***

III. SCHOLARSHIPS

a.) PhD Scholarship

Japan- Ministry of Education Scholarship (MONBUKAGAKOSHU) 1998-2002

b.) MS Scholarship

Philippine-Department of Science and Technology - Engineering and Science Education Program (DOST-ESEP) 1993-1996

c.) BS Scholarship

MSU-Main Full University Scholarship, 1984-89

IV. SKILLS

(Surface science)

High Resolution Transmission Electron Microscopy (HR-TEM)

X-ray absorption spectroscopy (XAS)

Soft X-ray emission spectroscopy (SXES)/Soft X-ray fluorescence spectroscopy (SXFS)

Photoemission spectroscopy (PES)

Photoemission electron microscopy (PEEM)

X-ray photoemission spectroscopy (XPS)

Low energy electron diffraction (LEED)

Auger electron spectroscopy (AES)

Scanning electron microscopy (SEM)

X-ray diffractometry (XRD)

Energy dispersive X-ray spectroscopy (EDX),

Raman spectroscopy

(Plasma physics and UHV systems)

Physical vapor deposition (PVD)

Chemical vapor deposition (CVD)
Plasma diagnostics
Pulsed laser deposition (PLD)
Ultra-high-vacuum (UHV) systems

(Synchrotron Beamline) Beamline designs,
simulations, and operations

V. AWARD:

1. 2014 KACST-ALMARAI PRIZE FOR SCIENTIFIC INNOVATION (Creative Work Category-14th Edition).

***Award Article:* Simple and facile synthesis of amino functionalized hollow core–mesoporous shell silica spheres using anionic surfactant for Pb(II), Cd(II), and Zn(II) adsorption and recovery**

Ahmed Mohamed El-Toni, Mohamed A. Habila, Mohamed Abbas Ibrahim, **Joselito Puzon Labis**, Zeid A. Alothman, **Chemical Engineering Journal**, Volume 251, 1 September 2014, Pages 441–451, (IF: 4.181)

VI. US Patent

1. Synthesis of amino-rich mesoporous silica nanoparticles for removal of heavy metal and uranium cations, US Patent # US12070737B1, United States

Inventors: Ahmed Eltoni Mohamed Ali Eltoni Mohamed Abdelaty Habila Joselito Puzon Labis Ali

Kanakhr Aldalbahi Asharf Elsayed Khater Huda Saad Alnafie

Current Assignee : King Saud University, Worldwide applications, 2023 US

Application US18/380,763 events

<https://patents.google.com/patent/US12070737B1/en>

VII. International Journal Reviewer/Referee:

1.) **Chemical Engineering Journal**, Print ISSN: 1385-8947, Online ISSN: 1873-3212, IF:15.1

2.) **Chemistry of Materials**, ACS Publications, Print Edition ISSN: 0897-4756, Web Edition ISSN: 1520-5002 (Impact factor 2018: 10.159)

3.) **Journal of Environmental Chemical Engineering**, IF: 7.7

4.) **International Journal of Hydrogen Energy**, Elsevier, ScienceDirect, CiteScore 12.1, Impact Factor 7.2, Online ISSN: 1879-3487 Print ISSN: 0360-3199, <https://www.sciencedirect.com/journal/international-journal-of-hydrogen-energy>

5.) **Applied Surface Science**, Elsevier, Citescore:12.7, IF:6.7, <https://www.sciencedirect.com/journal/applied-surface-science>

6.) **Journal of the European Ceramic Society**, CiteScore 10.1, Impact Factor:5.7,

<https://www.sciencedirect.com/journal/journal-of-the-european-ceramic-society>

7.) **ACS Applied Nano Materials**, ACS Publication (2020 IF: 5.097), ISSN: 2574-0970

8.) **Scientific Reports**, (IF:4.996) https://www.nature.com/srep/about?gclid=EAIaIQobChMI_d3qw4mZ-wIVEs13Ch37_QTOEAAYASAAEgLZi_D_BwE

9.) **Sustainable Energy & Fuels**, Royal Society of Chemistry (Impact Factor: 4.912)

10.) **Materials Chemistry and Physics**, Online ISSN: 1879-3312 Print ISSN: 0254-0584, Supports open access, 7.7 CiteScore, Impact Factor: 4.6

11.) **Applied Organometallic Chemistry**, John Wiley & Sons Ltd, Online ISSN:1099-0739, Impact factor (2021):4.072

12.) **Colloids and Surfaces A: Physicochemical and Engineering Aspects**, ISSN: 0927-7757, Copyright © 2021 Elsevier B.V. All rights reserved, CiteScore: 5.8, Impact Factor: 3.990

13.) **Diamond and Related Materials**, Open access, 5.2 CiteScore, 3.806 Impact Factor, Publisher: Elsevier. OCLC no: 905470023, Discipline: Materials Science, ISSN: 0925-9635, ISO 4: Diam. Relat. Mater,

<https://www.sciencedirect.com/journal/diamond-and-related-materials>

14.) **Ceramics International**, Elsevier, General Editor: P. Vincenzini, CiteScore: 6.1, Impact Factor: 3.830, ISSN: 0272-8842

- 15.) **Inorganic Chemistry Communications**, Elsevier, <https://www.sciencedirect.com/journal/inorganic-chemistry-communications> (2023 IF: 3.8)
- 16.) **Water**, MDPI, Journal Rank: JCR - Q2 (Water Resources) / CiteScore - Q1 (Water Science and Technology), Impact Factor: 3.530 (2021); 5-Year Impact Factor: 3.628 (2021), Open Access ISSN: 2073-4441, <https://www.mdpi.com/journal/water>
- 17.) **Journal of the American Ceramic Society**, Edited By: William G. Fahrenholtz, Impact factor:3.502, 2019 Journal Citation Reports (Clarivate Analytics): 3/28 (Materials Science, Ceramics), Online ISSN:1551-2916, © 2021 The American Ceramic Society.
- 18.) **Processes**, EISSN 2227-9717, Published by MDPI, (2021 IF: 3.352)
- 19.) **Applied Nanoscience**, ISSN: 2190-5517, Springer Publication (2017 Impact Factor: 3.325)
- 20.) **Applied Organometallic Chemistry**, John Wiley and Sons, Ltd. Online ISSN: 1099-0739 (2018 Impact Factor: 3.259)
- 21.) **Journal of Chemistry**, Hindawi Publication (2021 IF: 3.241)
- 22.) **Journal of Alloys and Compounds**, ISSN: 0925-8388) Elsevier Publication, (2017 Impact Factor: 3.133)
- 23.) **CrystEngComm**, Royal Society of Chemistry, Online only 2020: ISSN 1466-8033 (2019 IF:3.117)
- 24.) **New Journal of Chemistry**, ISSN: 1144-0546 (print); 1369-9261 (web), Royal Society of Chemistry, 2019 IF:3.069)
- 25.) **Materials Letters**, ISSN: 0167-577X, Elsevier Publication (2022 Impact Factor: 3)
- 26.) **Chemistry and Biodiversity**, Impact factor (2022):2.9 Journal Citation Reports (Clarivate, 2023): 192/285 (Biochemistry & Molecular Biology (Science))97/178 (Chemistry, Multidisciplinary (Science)) Online ISSN:1612-1880 Print ISSN:1612-1872 © Wiley-VHCA AG, Zurich, Switzerland
- 27.) **Materials Today Communications**, Elsevier, ISSN: 2352-4928 Copyright © 2021 Elsevier Ltd. All rights reserved Journal Impact Factor 2.678
- 28.) **ACS Omega**, American Chemical Society, ISSN: 2470-1343 (print); 2470-1343 (web). (2018 IF:2.58).
- 29.) International Journal of Electrochemistry. (IF: 2.3), Online ISSN:2090-3529, Print ISSN:2090-3537 © John Wiley & Sons Ltd
- 30.) **Journal of Analytical Chemistry**, Hindawi Publication, CiteScore 2.300, Journal Citation Indicator0.380, Impact Factor1.8
- 31.) **International Journal of Polymer Analysis and Characterization**, Taylor and Francis, 1.9 (2022) Impact Factor, 2.0 (2022) 5-year IF, 3.8 (2022) CiteScore (Scopus), Q2 CiteScore Best Quartile
- 32.) **Chemical Physics**, Science Direct, Elsevier, 4.7CiteScore, 2.3 Impact Factor
- 33.) **JVST A: Journal of Vacuum Science and Technology**, (ISSN) for JVST A is 0734-2101 for the printed edition and the electronic ISSN (E-ISSN) is 1520-8559 for the online edition. The CODEN is JVTAD6. Impact factor: 1.710
- 34.) **Inorganic and Nano-Metal Chemistry**, Print ISSN: 2470-1556 Online ISSN: 2470-1564, IF:1.7
- 35.) **Nuclear Inst. and Methods in Physics Research, B**, ISSN: 0168-583X, Elsevier (2017 Impact Factor: 1.109)
- 36.) **Modern Physics Letter B, Mod. Phys. Lett. B**, World Scientific, ISSN: 0217-9849 (print); 1793-6640 (web), Impact Factor: 0.731

VIII. PROJECTS

1.) "Design and characterization of nanocomposites multiferroic materials for new generation Read Access Memories (RAMs) devices"

PI: Dr. Khalid Mujasam Batoo, Co-I: Dr. Joselito Labis

Budget: ~1.6 M SAR/427,000USD, Fund Source: KSU-NPST #10-NAN1200-02 (2011- 2013)

Status: Completed

2.) "Interface magnetization and structure in magnetic oxide nanocomposites"

PI: Dr. Khalid Mujasam Batoo, Co-I(s): Dr. Joselito Labis,

Budget: ~1.3M SAR/347,000USD, Fund Source: KSU-NPST #10-NAN1999-02 (2012-2014)

Status: Completed

3.)"Cathodoluminescence Study of ZnO Nanowires for Dye-sensitized Solar Cell Applications",

PI: Dr. Mohammad Alduraibi, Department of Physics, KSU, Co-I: Dr. Joselito Labis

Budget: ~1.9 M SAR/500,000USD, Fund Source: KSU-NPST # 12-ENE2829-02 (2015-2017)

Status: Completed

4.) "Synthesis of multifunctional magnetic core-TiO₂ / meso-SiO₂ double shell for simultaneous heavy metal removal and organic pollutants decomposition",

PI: Dr. Ahmed El-Toni, Co-I: Dr. Joselito Labis

Budget: ~1.7M SAR/453,000USD, Fund Source: KSU-NPST# 14-WAT169-02

Status: COMPLETED

5.) "Surface Modified upconversion nanophosphors for dye-sensitized solar cells(DSSCs).

PI: Dr. Anees Ansari, CO-I: Dr. Joselito Labis, Budget: 600,000SR/160,000USD, Duration: 24 months, Fund

Source: KSU-KACST NPST #2-17-01-001-0036

Status: Completed

6.) "Nanomaterials synthesis and characterization",

PI: Dr. Ahmad El-toni, Co-I(s): Dr. Aslam Khan, and Dr. Joselito Puzon Labis

Budget: 150,000 SAR/40,000USD, Fund Source: KSU-Deanship of Scientific Research RG#1435-002 (2014- 2015)

Status: COMPLETED

7.) Hybridization of Pulsed Laser Deposition (PLD) with RF magnetron/effusion cell/e-beam system as platform to design smart polymer and metal-doped ZnO nanostructures for gas-sensing application

PI: Dr. Joselito Labis, Co-I: Dr. Abdulaziz Alhazaa

Budget: ~421,000 SR/112,000 USD, Fund Source: KSU-Deanship of Scientific Research Institutional Funding

Status: COMPLETED

IX. INTERNATIONAL PEER-REVIEWED PUBLICATIONS

2024

87.) **Synthesis of Sn-ZnO nanostructures on MgO<0001> by hybrid pulsed laser ablation and RF magnetron sputtering tandem system for CO gas-sensing application**, Joselito P. Labis, Hamad A. Albrithen, Muhammad Ali Shar, Abdulaziz Alhazaa, Ahmed Algarni, Mohammad A. Alduraibi, Ahamad Imran, Ahmed Mohamed El-Toni, Journal of Saudi Chemical Society (Q1, IF:5.8), Volume 28, Issue 6, November 2024, 101941

86.) **Investigation of adsorptive removal of heavy metals onto magnetic core-double shell nanoparticles: kinetic, isotherm, and thermodynamic study**, Ahmed Mohamed El-Toni^{5,1,2}, Mohamed Habila^{5,3}, Mohamed Sheikh³, Abdulrhman S Al-Awadi⁴, J P Labis¹ and Zeid A ALOthman³, Materials Research Express, Volume 11, Number 4, Published 22 April 2024, Citation Ahmed Mohamed El-Toni et al 2024 Mater. Res. Express 11 045003
DOI 10.1088/2053-1591/ad37a7

2023

85.) **Facile synthesis of Pd nanoparticles dispersed polypyrrole-carbon black/NiO nanocomposite with enhanced photocatalytic degradation of colored and colorless organic pollutants**, M Faisal, Jahir Ahmed, Mohammed Jalalah, Ahmed Mohamed El-Toni, Joselito P Labis, Aslam Khan, Farid A Harraz, Colloids and Surfaces A: Physicochemical and Engineering Aspects, Elsevier, Volume 677, Part A, 20 November 2023, 132416. **IMPACT FACTOR: 5.2**, <https://www.sciencedirect.com/science/article/abs/pii/S0927775723015005>

84.) **Fabrication of Fe₃O₄ core-TiO₂/mesoSiO₂ and Fe₃O₄ core-mesoSiO₂/TiO₂ double shell nanoparticles for methylene blue adsorption: kinetic, isotherms and thermodynamic characterization**, Ahmed Mohamed El-Toni, Mohamed A. Habila *, Mohamed Sheikh, Mohamed, El-Mahrouky, Abdulrhman S. Al-Awadi, Joselito Puzon Labis, Zeid Alothman, Nanomaterials, Nanomaterials 2023, 13, 2548 MDPI Publication, **IMPACT FACTOR: 5.719** <https://www.mdpi.com/2079-4991/13/18/2548>

83.) **Au nanoparticles dispersed chitosan/ZnO ternary nanocomposite as a highly efficient and reusable visible light photocatalyst**, M Faisal, Jahir Ahmed, Jari S Algethami, Ahmed Mohamed El-Toni, Joselito P Labis, Aslam Khan, Farid A Harraz, 2023/11/15, Materials Science in Semiconductor Processing, 167, 107798, Pergamon, **IMPACT FACTOR:4.1** <https://www.sciencedirect.com/science/article/abs/pii/S1369800123004912>

82.) **Optimization of Pulsed Laser Ablation and Radio-Frequency Sputtering Tandem System for Synthesis of 2D/3D Al₂O₃-ZnO Nanostructures: A Hybrid Approach to Synthesis of Nanostructures for Gas Sensing Applications**, by Joselito Puzon Labis, Hamad A. Albrithen, Mahmoud Hezam, Muhammad Ali Shar, Ahmad Algarni, Abdulaziz N. Alhazaa, Ahmed Mohamed El-Toni and Mohammad Abdulaziz Alduraibi, Nanomaterials 2023, 13(8), 1345, **IMPACT FACTOR: 5.719**; <https://doi.org/10.3390/nano13081345>, Received: 9 March 2023 / Revised: 4 April 2023 / Accepted: 5 April 2023 / Published: 12 April 2023

81.) Effects of Zinc Oxide and Silicon Dioxide Nanoparticles on Physiological, Yield, and Water Use Efficiency Traits of Potato Grown under Water Deficit, Wadei A. Al-Selwey, Abdullah A. Alsadon, Abdullah A. Ibrahim, Joselito P. Labis and Mahmoud F. Seleiman, *Plants* 2023, 12, 218. <https://doi.org/10.3390/plants12010218>, (IF: 4.658)

2022

80.) Facile synthesized NaGdF₄:Yb, Er peanut-shaped, highly biocompatible, colloidal upconversion nanospheres Anees A Ansari, Joselito P Labis, Aslam Khan, *Luminescence, The Journal of Biological and Chemical Luminescence*, (2021:2.613) First published: 12 April 2022 <https://doi.org/10.1002/bio.4249>,

79.) Crystal-structure analysis, Raman spectroscopy, dielectric measurements, magnetic and optical properties of Cr³⁺-Ni²⁺-substituted Co₂Y-type barium hexaferrites, Tchouank Tekou Carol T, J. Mohammed, Khalid Mujasam Batoo, G. Mukhtara, Joselito Puzon Labis, Emad H. Raslan, Muhammad Hadie, A.K. Srivastava, *Materials Research Bulletin*, Volume 145, January 2022, 111564, IF: 4.641

2021

78.) Biocompatible NaYF₄:Yb,Er upconversion nanoparticles: Colloidal stability and optical properties, Anees A. Ansari, Joselito P. Labis, Aslam Khan, *Journal of Saudi Chemical Society* Volume 25, Issue 12, December 2021, 101390, <https://doi.org/10.1016/j.jscs.2021.101390>

77.) Hydrothermal growth optimization of vertically aligned ZnO nanowire arrays and their dye-sensitized solar cell performance under air/oxygen environments, Mahmoud Hezam, Ahmad Algarni, Hamid Ghaithan, Hussain Alzahrani, Aqeel Al Shehri, Abdulaziz Alfarhood, Joselito Labis and Mohammad Alduraibi, *2021 Mater. Res. Express* 8 105501., IF:1.62

76.) Physiochemical characterization of highly biocompatible, and colloidal LaF₃:Yb/Er upconversion nanoparticles, Ansari, A.A., Parchur, A.K., Labis, J.P. et al., *Photochem Photobiol Sci* (2021). 3.982 (2020) Impact factor, <https://doi.org/10.1007/s43630-021-00092-0>

75.) ZnO Nanosheet-Nanowire morphology tuning for Dye-sensitized solar cell applications, Mahmoud Hezam, Mohammed Qasi Alsubaie, Ahmad Algarni, Hamid Ghaithan, Joselito Labis, Mohammad Alduraibi, *Chemical Physics Letters*, Volume 780, October 2021, 138953 IF: 2.029

74.) Modulation of Dielectric, Ferroelectric, and Piezoelectric Properties of Lead-Free BCZT Ceramics by Doping, Ritesh Verma, Ankush Chauhan, Khalid Mujasam Batoo, Rohit Jasrotia, Anand Sharma, Rahesh Kumar, Muhammad Hadi, Emad H Raslan, Joselito Puzon Labis, Ahamad Imran, 021/6/23, *ECS Journal of Solid State Science and Technology*, IOP Publishing, 2021 ECS J. Solid State Sci. Technol. IMPACT FACTOR: 2.142, 10 073004

73.) Highly hydrophilic CaF₂:Yb/Er upconversion nanoparticles: Structural, morphological, and optical properties, Anees A Ansari, Abdul K. Parchur, Joselito P. Labis, Muhammad Ali Shar, Aslam Khan, *Journal of Fluorine Chemistry*, Elsevier, CiteScore 3.9, Impact Factor 2.332

72.) "Mesoporous Organo-Silica Supported Chromium Oxide Catalyst for Oxidative Dehydrogenation of Ethane to Ethylene with CO₂" *Catalysts* 11, no. 5: 642. <https://doi.org/10.3390/catal11050642>. Impact Factor: 3.520, Citescore 3.7 SCOPUS Al-Awadi, Abdulrhman S.; El-Toni, Ahmed M.; Labis, Joselito P.; Khan, Aslam; Ghaithan, Hamid; Al-Zahrani, Attiyah A.; Abasaed, Ahmed E.; Al-Zahrani, Saeed M. 2021.

71.) A novel Ag/PANI/ZnTiO₃ ternary nanocomposite as a highly efficient visible-light-driven photocatalyst, M. Faisal, Mohammed Jalalah, Farid A. Harraz, Ahmed Mohamed El-Toni, Joselito P. Labis, M.S. Al-Assiri, *Separation and Purification Technology*, Volume 256 Pages 117847, 2021/2/1 IMPACT FACTOR: 5.774, Publisher Elsevier. <https://doi.org/10.1016/j.seppur.2020.117847>

2020

70.) Catalytic performance of the Ce-doped LaCoO₃ perovskite nanoparticles, AA Ansari, SF Adil, M Alam, N Ahmad, ME Assal, JP Labis, A Alwarthan, *Scientific Reports* 10 (1), 1-13, IMPACT FACTOR: 4.379 <https://doi.org/10.1038/s41598-020-71869-z>

69.) Facile synthesis of Pd@graphene nanocomposites with enhanced catalytic activity towards Suzuki coupling reaction, Mujeeb Khan, Mohammed Rafi Shaik, Syed Farooq Adil, Mufsir Kuniyil, Muhammad Ashraf, Hajo Frerichs, Massih Ahmad Sarif, Mohammed Rafiq H. Siddiqui, Abdulrahman Al-Warthan, Joselito P. Labis, Mohammad Shahidul Islam, Wolfgang Tremel & Muhammad Nawaz Tahir, *Sci Rep* 10, 11728 (2020). IMPACT FACTOR: 4.379 <https://doi.org/10.1038/s41598-020-68124-w>

2019

68.) Enhanced photocatalytic reduction of Cr(VI) on silver nanoparticles modified mesoporous silicon under visible light, Mohd Faisal, Farid A. Harraz, Ali E. Al-Salami, Ahmed Mohamed El-Toni, Abdulrhman A. Almadiy, Aslam Khan, Joselito P. Labis, Saleh A. Al-Sayari, Mohammad S. Al-Assiri, Publication date 2019/9,

Journal of the American Ceramic Society, Volume 102, Issue 9, Pages 5071-5081J. American Ceramics Society (IF:2.956), First published: 23 February 2019, <https://doi.org/10.1111/jace.16400>

67.) Role of TiO₂ Nanoparticle Modification of Cr/MCM41 catalyst to Enhance Cr-Support Interaction for Oxidative Dehydrogenation of Ethane with Carbon Dioxide, Abdulrhman S. Al-Awadi, Ahmed Mohamed El-Toni, Saeed M. Al-Zahrani, Ahmed E. Abasaheed, Mansour Alhoshan, Aslam Khan, *Joselito P. Labis* and Ahmed Al-Fatesh, Applied Catalysis A: General, 2019/8/25, Volume 584, Pages 117114, Publisher Elsevier (IF: 4.63), <https://doi.org/10.1016/j.apcata.2019.117114>

66.) Aqueous dispersible green luminescent yttrium oxide:terbium microspheres with nanosilica shell coating, Anees A. Ansari, Naushad Ahmad, *Joselito P. Labis*, Ahmed Mohamed, El-Toni, Aslam Khan, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, (IF: 2.88/Q1) Volume 211, 15 March 2019, Pages 348-355 <https://doi.org/10.1016/j.saa.2018.12.015>

65.) Fabrication of Robust Nanostructured (Zr)BiVO₄/Nickel hexacyanoferrate Core/Shell Photoanodes for Photoelectrochemical Water Splitting/Corresponding, Abdullah Al-Mayouf/Co-Authors: Maged N Shaddad; Prabhakarn Arunachalam; *Joselito Labis*; Mahmoud Hezam; Applied Catalysis B: Environmental (Impact Factor: 11.698) Volume 244, 5 May 2019, Pages 863-870 <https://doi.org/10.1016/j.apcatb.2018.11.079>

64.) Designing ZnO nanoworms, nanoflowers, nanowalls, and nanorods by pulsed laser ablation for gas-sensing application, *Joselito P. Labis*, Anwar Q. Alanazi, Hamad A. Albrithen, Mahmoud Hezam, Mohammad Abdulaziz Alduraibi, Ahmad Algarni, Abdulaziz A. Alharbi, Abdulrhman S. Al-Awadi, Aslam Khan, and Ahmed Mohamed El-Toni/, Journal of American Ceramics Society Wiley-Son (Impact Factor: 2.956/Q1) Volume 102 Issue 7 Pages 4367-4375

63.) Highly colloidal luminescent porous Tb-doped gadolinium oxide nanoparticles: Photophysical and luminescent properties, Anees A. Ansari, Naushad Ahmad, *Joselito P. Labis*, Journal of Photochemistry and Photobiology A: Chemistry, Volume 371, 15 February 2019, Pages 10-16 (IF: 2.891) <https://doi.org/10.1016/j.jphotochem.2018.10.050>

62.) Impact of Precursor Sequence of Addition for One-pot Synthesis of Cr-MCM-41 catalyst nanoparticles to enhance ethane Oxidative Dehydrogenation with Carbon dioxide/ Abdulrhman S Al-Awadi, Ahmed Mohamed El-Toni, Mansour Alhoshan, Aslam Khan, *Joselito P Labis*, Ahmed Al-Fatesh, Ahmed E Abasaheed, Saeed M Al-Zahrani//Ceramics International, 45 (2019) 1125-1134, Elsevier (IF:3.057) <https://doi.org/10.1016/j.ceramint.2018.10.002>

61.) Mesoporous multi-silica layer-coated Y₂O₃: Eu core-shell nanoparticles: Synthesis, luminescent properties and cytotoxicity evaluation, Anees A Ansari, Aslam Khan, Joselito P Labis, Manawwer Alam, M Aslam Manthrammel, Maqusood Ahamed, Mohd Javed Akhtar, Ali Aldalbahi, Hamid Ghaithan, Publication date 2018/11/27, Materials Science and Engineering: C, Elsevier (IF: 5.080)

60.) Solvothermal Preparation and Electrochemical Characterization of Cubic ZrO₂ Nanoparticles/Highly Reduced Graphene (HRG) based Nanocomposites, Mohammed Rafi Shaik, Manawwer Alam, Syed Farooq Adil, Mufsir Kuniyil, Abdulrahman Al-Warthan, Mohammed Rafiq H Siddiqui, Muhammad Nawaz Tahir2, *Joselito P. Labis* and Mujeeb Khan, Materials 2019, 12(5), 711; <https://doi.org/10.3390/ma12050711> (IF: 2.972)

2018

59.) Comparative structural and optical spectroscopic studies of Nd³⁺ ion doped LaF₃ and their core/shell nanoparticles, AA Ansari, *JP Labis*, MA Manthrammel, PROCESSING AND APPLICATION OF CERAMICS 12 (1), 78-85 (IF:1.152/Q2)

58.) Impact of Ni Ion-Doping on Structural, Optoelectronic and Redox Properties of CeO₂ Nanoparticles/ NAUSHAD AHMAD, ANEES A. ANSARI, *JOSELITO P. LABIS*, and MANAWWER ALAM/Journal of ELECTRONIC MATERIALS/https://doi.org/10.1007/s11664-018-6088-x/_ 2018 The Minerals, Metals & Materials Society/Published online Jan. 31, 2018 (IF:1.566/Q3)

57.) Semi-bath polymerization approach for one pot synthesis of temperature and glucose responsive core-shell nanogel particles/Aslam Khan, Ahmed Mohamed El-Toni, Javed Alam, Ali Aldalbahi, *Joselito Labis*, Mukhtar Ahmed, Tansir Ahamad, and Mahmoud Hezam/J Nanomaterials/Hindawi/Received 26 September 2017; Revised 23 December 2017; Accepted 14 January 2018, (IF:2.207/Q2)

56.) Synthesis, structural, and photoluminescence studies of LaF₃: Pr, LaF₃: Pr@ LaF₃, and LaF₃: Pr@ LaF₃@ SiO₂ nanophosphors/Anees A Ansari, *Joselito P Labis*, M Aslam Manthrammel/Publication date 2018/Journal of the Australian Ceramic Society/Pages 1-8/Springer Singapore (IF:0.587/Q4)

55.) Highly biocompatible, monodispersed and mesoporous La (OH)₃: Eu@ mSiO₂ core-shell nanospheres: Synthesis and luminescent properties/Anees A Ansari, Ali Aldalbahi, *Joselito P Labis*, Ahmed Mohamed El-

2017

54.)* One-Step Carbon Coating and Polyacrylamide Functionalization of Fe₃O₄ Nanoparticles for Enhancing Magnetic Adsorptive-Remediation of Heavy Metals/Mohamed A. Habila^{1,*}, Zeid A. AlOthman¹, Ahmed Mohamed El-Toni, *Joselito Puzon Labis*, Aslam Khan, Adel Al-Marghany and Hussein Elsayed Elafifi, *Molecules* 2017, 22(12), 2074; doi:10.3390/molecules22122074 (IF: 3.098/Q2)

53.)* SrZnO nanostructures grown on templated Al₂O₃ substrates by pulsed laser deposition, *Joselito P. Labis*, Anwar Q. Alanazi, Hamad A. Albrithen, Ahmed Mohamed El-Toni, Mahmoud Hezam, Hussein Elsayed Elafifi, and Osama M. Abaza, *AIP Advances* 7, 095220 (2017), American Institute of Physics; doi: 10.1063/1.4996812, (2016 IF: 1.568/Q3/Q3/Q3)

52.)* Carbon-coated Fe₃O₄ nanoparticles with surface amido groups for magnetic solid phase extraction of Cr(III), Co(II), Cd(II), Zn(II) and Pb(II) prior to their quantitation by ICP-MS
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29. Investigating Barium Zinc Oxide Alloy Grown by Pulsed Laser Deposition

Hamad Albrithen, Essa Alfaifi, Hassan Alshahrani, Anwar Alanazi, Joselito Labis, Ahmed Alahmed, and Ahmed Elnaggar

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28. Refractive Index Variation of Zn-rich BaZnO Alloys Grown by Pulsed Laser Deposition

Hamad Albrithen, Zeyad Alahmed, Ahmed Elnaggar, Essa Alsalmanni, Anwar Alanazi, Ahmed Alyamani, and Joselito Labis

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27. Simple hydrothermal Synthesis of Brookite TiO₂ nanowires and their application in dye-sensitized and perovskite solar cells

Saif Qaid, Abdullah Aldwayyan, Idriss Bedja, Mahmoud Hezam, Joselito Labis, Mohammad Khaja Nazeeruddin, Fahad Alharbi

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26. Strontium Doped ZnO Grown by Pulsed Laser Deposition: Structural and Optical Properties

Anwar Q. Alanazi, Essa Alfaifi, Hassen Alshahrani, Mudhi Almutairi, Joselito P. Labis, Ahmed Alyamani, Zeyad A. Alahmed, Ahmed Elnaggar, Asghar Kavani, and Hamad Albrithen

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25. Successful Growth of TiO₂ nanosheets with {001} facets and TiO₂ QDs for Dye-Sensitized Solar Cells/

Saif Qaid, Mahmoud Hezam, Joselito Labis, Idriss M. Bedja, Abdullah Al-Dwayyan

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24. Successful Synthesis of Nest-like Nanoporous ZnO Films by Pulsed Laser Deposition/

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23. Investigating Barium Zinc Oxide Alloys Grown by Pulsed Laser Deposition

Essa S. Alsalmanni, Anwar Qasem Alanazi, Joselito Puzon Labis, Ahmed M. Elnaggar, Zeyad Ahmed Alahmed, Hamad Abdulaziz Albrithen

17th European Molecular Beam Epitaxy Workshop

March 10-13, 2013, Levi, Finland

22. Synthesis of silica and magnetic core-mesoporous silica shell nanoparticles using anionic surfactant and their application in drug control release

Ahmed Mohamed El-Toni, Joselito Puzon Labis, Moahmed Abbas Ibrahim, and Mansour Al-hoshan

The 2nd Saudi International Nanotechnology Conference (2SINC) 2012, Nov.11-13, 2012, KACST, Riyadh, Saudi Arabia

21. Multiferrioc properties of the Bi_{5-x}NdxFeTi₃O₁₅ nanoparticles for random access memory devices

Khalid Mujasam Batoo, Joselito P. Labis, Ritu Sharma, Mahavir Singh

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20. Synthesis of Magnetic Core-Mesoporous Silica Shell Nanoparticles using anionic surfactant And Their Application in Drug Control Release

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19. Ethanol reactions over Ru-Pt/CeO₂ catalysts

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18. Temperature-dependent magnetic properties of Pr_{0.5}Ba_{0.5}MnO₃ studied by X-ray absorption spectroscopy (I.Y. Huang, H. M. Tsai, C. W. Pao, J. P. Labis, J. W. Chiou, D.C. Ling, and W. F. Pong) 9th Korea-Japan-Taiwan Symposium on Strongly Correlated Electron Systems November 20 - 22, 2008, Tamkang University, Tamsui, Taiwan

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16. High-resolution photoemission electron spectroscopy study on the oxynitridation of 6H-SiC(0001)-√3×√3R30° surface (J. Labis, J. Oh, H. Namatame, M. Taniguchi, M. Hirai, M. Kusaka and M. Iwami) 7th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures, November 16 - 20, 2003, Nara, Japan

15. Surface analyses of Zr (film)/4H-SiC (substrate) by synchrotron radiation induced-PEEM (Kamezawa, C., Hirai, M., Kusaka, M., Iwami, M., and Labis, J)7th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures, November 16 - 20, 2003, Nara, Japan

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- 7. PEEM and SXES characterization on surface and interface of transition metals/SiC system** (J. Labis, A. Ohi, C. Kamezawa, Y. Morikawa, T. Fujiki, M. Hirai, M. Kusaka, and M. Iwami) *13th International Conference on Vacuum Ultraviolet Radiation Physics, July 23-27, 2001, Trieste, Italy*
- 6. Interfacial reaction at Ni(film)/4H-SiC(substrate) system studied using soft X-ray emission spectroscopy** (A. Ohi, J. Labis, Y. Morikawa, T. Fujiki, M. Hirai, M. Kusaka, and M. Iwami) *13th International Conference on Vacuum Ultraviolet Radiation Physics, July 23-27, 2001, Trieste, Italy*
- 5. Surface and interface of Ti(film)/SiC(substrate) system: A soft X-ray emission and photoemission electron microscopy study**(J. Labis, A. Ohi, C. Kamezawa, K. Yoshida, M. Hirai, M. Kusaka, and M. Iwami) *8th International Conference on the Formation of Semiconductor Interfaces, June 10-15, 2001, Hokkaido, Japan*
- 4. Soft X-ray emission study of thermally-treated Ni(film)/4H-SiC (substrate) interface** (A. Ohi, J. Labis, T. Fujiki, Y. Morikawa, M. Hirai, M. Kusaka and M. Iwami) *8th International Conference on the Formation of Semiconductor Interfaces, June 10-15, 2001, Hokkaido, Japan*
- 3. Metal (Cu, Ti) cluster formation on Silicon carbide by using photo-emission electron microscope** (M. Hirai, J. Labis, C. Kamezawa, H. Kida, M. Kusaka, and M. Iwami) *The 5th Hiroshima International Symposium on Synchrotron Radiation, March 15-16, 2001, Hiroshima, Japan*
- 2. Thermal annealing effect on Ti film on C-terminated 4H-SiC: A metal-semiconductor interfacial reaction study by soft X-ray emission spectroscopy** (J. Labis, A. Ohi, T. Fujiki, M. Hirai, M. Kusaka, and M. Iwami) *International Symposium on Surface and Interface (ISSI): Properties of Different Symmetry Crossing-2000, Oct. 17-20, 2000, Nagoya, Japan*
- 1. Ni/4H-SiC interface reactions using soft X-ray emission spectroscopy** (A. Ohi, J. Labis, T. Fujiki, M. Hirai, M. Kusaka and M. Iwami) *International Symposium on Surface and Interface (ISSI), Properties of Different Symmetry Crossing-2000, Oct. 17-20, 2000, Nagoya, Japan*

XI. RESEARCH AND TEACHING EXPERIENCE:

- 1.) April 2010 – present** - Asst. Professor, King Abdullah Institute for Nanotechnology, King Saud University, Riyadh, Saudi Arabia
- 2.) August 2008 – July 2009** -Postdoctorate Research Fellow, Tamkang University, Tamsui Campus, TAIWAN
- 3.) November 2004 – July 2008**-i. Associate Professor III, Dept. of Math. and Physics, Mindanao State University, Gen. Santos City, Philippines, ii. Associate Professor- Notre Dame of Dadiangas University, Gen. Santos City, Philippines, iii. Associate Professor- Notre Dame of Marbel University- Koronadal City, Philippines; iv. Associate Professor, Mindanao State University-IIT. Philippines
- 4.) May 2002 - September 2004** - Postdoctorate Research Fellow, Hiroshima Synchrotron Radiation Center, Hiroshima University, Hiroshima, JAPAN
- 5. Oct 1998- March 2002- On study- leave for PhD study ,Okayama University, JAPAN**
- 6. June 1996-Oct. 1998 Asst. Prof. Mindanao State University, General Santaos City, Philippines**
- 7. Jun 1993-May 1996 On-study leave for MS Physics study, University of the Philippines, Philippines**
- 8. Nov. 1989-Apr. 1993 Instructor Mindanao State University General Santos City, Philippines**
-

XII. THESIS CO-ADVISORSHIP:

1. MSc Physics thesis title: "Investigating Zn-rich $\text{Sr}_x\text{ZnO}_{1-x}$ alloy grown by pulsed laser deposition", by Anwar Alanazi (Defended Dec. 16, 2015)

XIII. PROFESSIONAL MEMBERSHIPS:

1. *Physical Society of Republic of China (PSROC), TAIWAN*
 2. *Japan Society of Applied Physics (JSAP), JAPAN*
 3. *Japanese Society for Synchrotron Radiation Research (JSSRR), JAPAN*
 4. *Physics Society of Visayas and Mindanao (SPVM), PHILIPPINES*
 5. *Philippine Physics Society (PPS), PHILIPPINES*
-

XIV. REFERENCE PERSONS:

1.) Prof. Way-Faung Pong

Professor, Dept. of Physics, Tamkang University, Tamshui, Taipei County, 251 Taiwan,

E-mail: wfpong@mail.tku.edu.tw, Tel.: +886(2)262-5333

2.) Prof. Masaki Taniguchi

Head, Hiroshima Synchrotron Radiation Center, Hiroshima University, Kagamiyama, Higashi Hiroshima City, Hiroshima, JAPAN, Tel: +81(82)424-6293, FAX: +81(82)424-6294,

E-mail: taniguch@hiroshima-u.ac.jp

3.) Prof. Masaaki Hirai,

Asst. Prof. Research Laboratory for Surface Science, Faculty of Science, Okayama University, 3-1-1 Tsushima Naka, Okayama 700-8530 JAPAN, Tel:+81(86)251-7897, FAX:+81(86)251-7903,

E-mail: hirai@science.okayama-u.ac.jp

4.) Prof. Henry J. Ramos

Head, Plasma Physics Department, National Institute of Physics, University of the Philippines, Diliman, Quezon City, 1101 Philippines, Tel: +63(2)920-4475/+63(2)981-8500;local (3701,3702, 3703)), FAX: +63(2)928-0296,

E-mail: hjr@nsri.upd.edu.ph, hramos@nip.upd.edu.ph

5.) Prof. Aws Alshamsan

Dean of the College of Pharmacy

Address: Department of Pharmaceutics - Room# AA87 | Phone: 0114677363

E-mail: aalshamsan@ksu.edu.sa