

## Civil Engineering and Sanitary Engineering Department

### A. Paper Publication

Authors	Title	Name of Journal	ISBN/ISSN
Engr. Oliver S. Dimailig Krizia Jewel Caprangca Alexis O. Gonda Jun-jun V. Villanueva	<a href="#"><u>Potentiality-Of-Pulverized-Commercially-Available-Vermiculite-As-Partial-Replacement-To-Ordinary-Portland-Cement-In-Concrete-Mix</u></a>	International Journal of Advanced Research and Publications Volume 3 Issue 5, May 2019	ISSN: 2456-9992
Dr. Cristina Amor M. Rosales Engr. Jeffrey S. Sarmiento Arnel C. Fajardo	<a href="#"><u>Non-destructive Bridge Pavement Detection Using Impact Sound and Convolutional Neural Network</u></a>	2019 5 <sup>th</sup> International Conference on Computing and Artificial Intelligence (ICCAI) Bali, Indonesia April 2019	ACM ISBN: 978-1-4503-6106-4
Engr. Ernesto C. Magundayao Janine M. Maullion Camille Bianca S. Rado	<a href="#"><u>Link to Cement Plaster Proportioning Study</u></a>	Asia Pacific Higher Educational Journal Volume 4 No.1 (2017)	
Dr. Cristina Amor M. Rosales Hyun Jong Lee Wonjae Kim Chang kyu Park	<a href="#"><u>Decision Matrix Analysis of Impact Sounding Test Method to Determine Interlayer Condition of Concrete Bridge Deck</u></a>	Hindawi Journal of Sensors Volume 2017 Article ID 8516319	
Dr. Expedito V. Acorda	<a href="#"><u>Taysan Soil Mix with Calaca Bottom Ash as Alternative Road Base Material</u></a>	International Journal of Current Research Vol. 8, Issue, 12, pp.42851-42855, December, 2016	ISSN: 0975-833X
Engr. Diosa Marie M. Aguila Mayzonee V. Ligaray	<a href="#"><u>Adsorption of Eriochrome Black T on MnO<sub>2</sub>-Coated Zeolite</u></a>	International Journal of Environmental Science and Development, Vol. 6, No. 11, November 2015	
Engr. Diosa Marie M. Aguila	<a href="#"><u>Investigating the formation of acid mine drainage of Toledo pyrite concentrate using column cells</u></a>	IOP Conf. Ser.: Earth Environ. Sci., Vol. 114, No. 1, January 2018.	
Engr. Ernesto C. Magundayao Co-authors: Mark Anthony S. Ilustre Janine M. Maullion Camille Bianca S. Rado	<a href="#"><u>Cement Plaster Proportioning Suitable For Sands From Different Sources In Batangas Province</u></a>	Asia Pacific Higher Education Research Journal, Vol.4, No. 1 (2017)	

**B. Research Presentations**

<b>Faculty Members</b>	<b>Title</b>	<b>Details</b>
Engr. Oliver S. Dimailig	<i>Effectiveness of the Implementation of Solid Waste Management Program at Purok 1, Brgy. Wawa, Batangas City</i>	Asia Pacific Association Educators Training Institute International Conference in Multidisciplinary Research, June 05 – 07, 2020 via Google Meet
	<i>Proposed Development Plan of Sentro Sibika Candelaria located at Barrion Malabanban, Candelaria, Quezon Province,</i>	Asia Pacific Association Educators Training Institute International Conference in Multidisciplinary Research, June 05 – 07, 2020 via Google Meet
	<i>Proposed Site Development Plan of San Jose Historical and Tourism Park at Brgy. Taysan, San Jose, Batangas,</i>	Asia Pacific Association Educators Training Institute International Conference in Multidisciplinary Research June 05 – 07, 2020 via Google Meet
	<i>Proposed Agro-Forest Research Center in Brgy. Tumaway, Talisay, Batangas,</i>	3rd Recoletos International Research Congress, March 4-6, 2019 University of San Jose-Recoletos, Basak Campus, Cebu City, Philippines
	<i>Proposed Site Development of Laurel Park and Event Center at Barangay Laurel, Mabini, Batangas, 2019</i>	APCoRE Convention and International Conference March 2019
	<i>Viability of Pineapple Leaves as Raw Materials in Fiberboard Production, 2019</i>	International Research Conference across Discipline November 26-28, 2019 Batangas State University PB Main I, Batangas City
	<i>Potentiality of Available Vermiculite as Partial Replacement</i>	International Higher Education Research Forum (IHERF)

	<i>to Ordinary Portland Cement in Concrete Mix</i>	September 14- 17, 2016 Tagaytay City
Engr. Ernesto C. Magundayao Co-authors: Nicole L. Agquiz, Nicole S. Alimasag, Rhencel M. Babiera, Teddy Mar A. Bajeta, Blesie L. Guerrero, Ceejay G. Tenorio	<i>Comparative Analysis of Bond Strength of Concrete with Corroded &amp; Uncorroded Steel Bars</i>	13th The Network of CALABARZON Educational Institutions, Inc. (NOCEI) Research Forum April 24, 2019
Engr. Ernesto C. Magundayao Engr. Paulina M. Macatangay, Dr. Cristina Amor M. Rosales	<i>Utilization of Agricultural Wastes in the Manufacture of Composite Boards</i>	3rd International Research Conference on Innovation in Engineering, Science and Technology, Sept. 27-28, 2017
Engr. Ernesto C. Magundayao Co-authors: Mark Anthony S. Ilustre, Janine M. Maullion, Camille Bianca S. Rado	<i>Cement Plaster Proportioning Suitable For Sands From Different Sources In Batangas Province</i>	International Higher Education Research Forum, September 14-17, 2016
Engr. Diosa Marie M. Aguila Co-authors: Engr. Oliver S. Dimailig Engr. Danica Marie B. Mercado	<i>Determination of Poultry farms as Air Sampling Sites in San Jose, Batangas</i>	IRCIEST 4.0 Batangas State University Dec 4-6, 2019
Engr. Danica Marie B. Mercado	<i>Proposed Design of Membrane Bioreactor System for Batangas City Old Public Market</i>	3rd Recoletos International Research Congress University of San Jose Recoletos, Basak Campus, Cebu March 4-6, 2019
	<i>Proposed Design of Greywater Treatment System in Batangas State University Lipa Campus</i>	2016 International Higher Education Research Forum September 17, 2016
	<i>Sustainability of Water from Calumpang River for Aquaponic System</i> (Poster Presentation)	40th Annual Scientific Meeting, Scientific Poster Session July 11-12, 2018
	<i>Potentiality of Scenedesmus quadricauda as Media for Bioremediating Polluted Water</i> (Poster Presentation)	39th Annual Scientific Meeting, Scientific Poster Session July 12-13, 2017
	<i>“Adoption of Machine Learning Algorithms in Bridge Deck Interlayer Condition Monitoring using Impact Sounding Test”</i>	7th International Higher Education Research Forum (IHERF) 2019: The Future of Higher Education Research for Industry 4.0. 27-29 August

Dr. Cristina Amor M. Rosales		2019. Novotel, Cubao, Quezon City
	<i>“Comparison of Different Water Ram Design”</i>	13th The Network of CALABARZON Educational Institutions, Inc. (NOCEI) Research Forum. 24 April 2019. De La Salle Lipa
	<i>“Utilization of Agricultural Wastes in the Manufacture of Composite Boards”.</i>	3rd International Research Conference on Innovations in Engineering, Science and Technology (3rd IRCIEST) 2017. 27 – 29 September 2017. Main Campus I, Batangas State University
	<i>“Discarded Rubber Tires as an Alternative for Sand in a Soundproofing Mixture”</i> (Poster Presentation)	41st Annual Scientific Meeting of National Academy of Science and Technology. Theme: Caring for the Country’s Carrying Capacity. 10-11 July 2019. EDSA Shangri-La Hotel, 1 Gateway Ortigas Center, Manila
	<i>“Modified Foundation Design of Four-Storey School Building”</i> (Poster Presentation)	<i>3rd International Research Conference on Innovations in Engineering, Science and Technology (3rd IRCIEST) 2017. 27 – 29 September 2017. Main Campus I, Batangas State University.</i>
	<i>“Evaluation Parameters of Impact Sounding Signals for Interface Condition Assessment of Concrete Bridge Decks”.</i> (Poster Presentation)	6th International Conference Bituminous Mixtures and Pavements. 10-12 June 2015. Hyatt Regency Hotel, Thessaloniki, Greece.