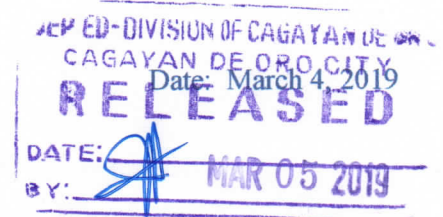




Republic of the Philippines
Department of Education
Region X
DIVISION OF CAGAYAN DE ORO CITY
Fr. William F. Masterson, S.J. Avenue,
Upper Balulang, Cagayan de Oro City
Tel. Nos. (088) 855-0049



Division Memorandum No. 180 s. 2019

**ENVIRONMENTAL AND HEALTH IMPACTS OF PLASTICS
AND THE CHALLENGES TO HIGH SCHOOLS AND UNIVERSITIES FORUM**

To:

School Heads/ Principals of the ff. Schools:

**Agusan NHS
Angeles Sisters NHS
Bayabas NHS
Bonbon NHS
Bugo NHS
Bulua NHS**

**Cagayan de Oro City NHS
Camaman-an NHS
Carmen NHS
Cugman NHS
East Gusa NHS
Gusa Regional Science HS**

**Iponan NHS
Lapasan NHS
Macabalan NHS
Macasandig NHS
Puntod NHS
Tablon NHS**

**PRINCE GILMAR M. GULIGADO, R.N.
CRYSTAL CHRISTI P. CARTEL, R.N.
WASH IN SCHOOLS (WINS COORDINATOR**

**JIMBOY S. EUGENIO
Education Program Specialist- II**

In view of the herein attached Invitation Letter from Fr. Mars Tan of Xavier University- Social Development, you are hereby directed to send five (5) of your student leaders from either SSG or YES-O organizations and one chaperone teacher (total of six pax per school) preferably the school coordinator of the above mentioned school organizations at Xavier University-Little Theater, Main Campus, Corrales St., this City on March 6, 2019 @ 1:00 PM- 4:00 PM to attend the forum on "*The Environmental and Health Impacts of Plastics and the Challenges to High Schools and Universities*". Inform your students to wear their school uniforms and let them bring their school identification cards for easy access at the forum venue. Please ensure the safety of our learners as they attend this activity.

For your information, guidance and compliance.

JONATHAN S. DELA PEÑA, Ph.D., CESO V
Schools Division Superintendent

Encl.:

As stated

To be indicated in the perpetual index
under the following subjects:

STUDENT

ENVIRONMENT

SSG

YES-O



Jimboy Eugenio <jimeug2001@gmail.com>

Invitation

4 messages

Mars Tan SJ <mptan@xu.edu.ph>

Mon, Mar 4, 2019 at 2:22 PM

To: jimeug2001@gmail.com

Cc: "Nestor Jr. Mesias Banuag" <nbanuag@xu.edu.ph>, Marianne Mira Katrina Ente Macapelit <mamacapelit@xu.edu.ph>

Dr Jonathan S. dela Pena CESO V

Schools Division Superintendent

DepEd, Cagayan de Oro City

Dear Dr dela Pena,

Kalinaw!

Xavier University is proposing the ban on the use, sale and buy of plastic water bottles in all its campuses. The proposed advocacy seeks to respond to the global call of reducing the threats and problems caused by plastics against human health and the environment.

To help us understand and appreciate better the threats of plastics and to give us suggestions on how to address them in a school context, our resource speaker: **Dr. Jorge Emmanuel, adjunct professor of Silliman University**, will share with us his technical expertise and actual advocacy work on plastics on **March 6 (Wed) from 1:30 to 4 PM at the Little Theater**. The title of his talk is "Environmental and Health Impacts of Plastics and the Challenges to High Schools and Universities". *Please see attached program and a copy of the resource speaker's short biography.*

We would like to share this Talk to other students in the city, thus we would like to invite at most 5 students and 1 chaperone teacher from each school of your 18 city schools. We really hope you and your representative students can come to this talk.

For further inquiries, kindly contact McKeough Marine Center (Aying) local 9199 or just email me back.

Thank you and see you there.

Yours sincerely,

Fr Mars P. Tan SJ

Committee Chair

2 attachments **Programme for the Forum on Plastics.docx**
16K

Program for the Forum: *Environmental and Health Impacts of Plastics and the Challenges to High Schools and Universities*

6th March 2019
 1:30 – 4:00 PM
 XU Little Theater

Time	Activity	
1:30 PM	Registration Preliminaries	
2:00	<ul style="list-style-type: none"> ▪ Opening Prayer ▪ National Anthem 	AVP
2:15	Welcome and Rationale	Fr Roberto C Yap SJ <i>President, Xavier University</i>
2:30	Introduction of Speaker	Fr Mars P Tan SJ <i>Director, McKeough Marine Center</i>
2:33	Talk: <i>Environmental and Health Impacts of Plastics and its Challenges to High Schools and Universities</i>	Dr. Jorge Emmanuel
3:30	Reactions	Ms Elvira Mabelin Asst Head, CLENRO
3:40	Open Forum	Ms Jo Angelic Jacobo President, XU – CSG
3:40		Moderator: Engr Dexter Lo <i>Director, Institutional Societal Engagement</i>
3:55	Closing ceremonies	c/o Emcee
4:00	Closing Remarks	Mr Roel Ravanera <i>VP for Social Development</i>

Emcee: Ms. Therese Rose Baliwag

Dr. Jorge Emmanuel was Chief Technical Advisor for global environmental projects of the United Nations Development Program in New York from 2003 to 2015, supervising teams of technical experts in some 18 countries and spearheading the development of new technologies at universities and research institutions in Argentina, Tanzania, South Africa, and Vietnam. He was also a consultant to the World Health Organization, United Nations Environment Program, World Bank, and other international agencies, and has worked in over 40 countries. He is the author or co-author of eight books and four book chapters, two dozen technical guidelines for the United Nations, and numerous scientific papers and technical reports. His book on Philippine-American history won the 2005 Gustavus Myers Book of the Year Award in the U.S. He was a member of the international expert group developing the guidelines for the Stockholm Convention on Persistent Organic Pollutants and was head of a UN team that helped stop the Ebola epidemic in west Africa in 2014-2015. His reporting on the Ebola crisis won the Plaridel Award from the Philippine-American Press Club in 2015. In 2018, he received the Albert Nelson Marquis Lifetime Achievement Award and was named Who's Who Leader in Environmental Engineering by the publishers of Who's Who in Science and Engineering and Who's Who in the World. He received his doctorate in chemical engineering at the University of Michigan, and holds other degrees and certificates in environmental management from the University of California at Berkeley, chemistry from North Carolina State University, energy technologies from Stanford University, and public health from the University of Iowa. He did his training in infection control and prevention with the Association of Professionals in Infection Control. In 2016, he was a Department of Science and Technology (DOST) Balik Scientist at Silliman University where he remains as an adjunct professor in the Institute of Environmental and Marine Sciences and in the College of Engineering and Design. His past research includes chemical synthesis of plastics, computational fluid mechanics and heat transfer, mathematical modeling of plastics manufacturing, polymer rheology, treatment technologies for hazardous and biohazardous wastes, persistent organic pollutants, and environmental remediation. Early in his career, Dr. Emmanuel was a polymer scientist for GE Plastics, then the largest producer of engineering thermoplastics in the world. For his masteral thesis in the 1970s, he developed a new plastic used for research applications. His current research focuses on environmental toxicology, disaster risk reduction, renewable energy, ecological solid waste management, microplastics in marine species, and plastic waste in the environment. Recently, he helped draft the "Environmental Principles, Policies and Guidelines" of Silliman University which was adopted unanimously by the Board of Trustees and the Academic Council, committing Silliman to become a Zero Waste university.