



UNIVERSITY OF THE PHILIPPINES
BAGUIO

Governor Pack Road, Baguio City 2600



College of Science

Telefax: (074)442-7231

Email: cs.upbaguio@up.edu.ph

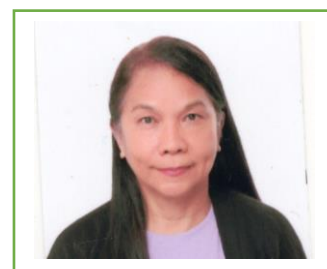
CURRICULUM VITAE

Prof. Ofelia D. Giron

Email address: odgiron@up.edu.ph

Contact Number: +63 74 442-7231 /+639278332449

Research Interest/Discipline: **Natural products organic chemistry; synthesis of heterogeneous catalysts using silica surfaces; and environmental chemistry researches on water quality**



Educational Background

Duration: September 1989 to July 1993
Degree: PhD Chemistry
University: Ohio University
Dissertation or Thesis Title: Catalytic Properties of Rhodium Complexes on Functionalized Silica Surfaces
Awards and Distinction: 1990 – 1993 Department of Chemistry, Clippinger Hall Teaching Associate
Received:

Duration: June 1984 – April 1987
Degree: MS Chemistry
University: University of the Philippines Diliman
Dissertation or Thesis Title: Isolation and Chemical Characterization of Toxicants from *Aegiceras corniculatum*
Awards and Distinction: National Science & Technology Authority IBP Fellow
Received:

Duration: June 1974 – April 1979
Degree: BS Chemistry
University: University of the Philippines Diliman
Dissertation or Thesis Title: Extraction of Lauric Acid from Coconut Oil by Urea Complexation
Awards and Distinctions: 1974-1979 UP Government Scholar
Received:



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Work Experience

Duration:	Jan. 2019– present
Position/Designation:	Professor
Employer:	University of the Philippines Baguio
Duration:	Aug. 2014 – December 2018
Position/Designation:	Associate Professor
Employer:	University of the Philippines Baguio
Duration:	Nov. 2013 – March 2014
Position/Designation:	Professorial Lecturer
Employer:	University of the Philippines Baguio
Duration:	June 2012 – May 2013
Position/Designation:	Associate Professor
Employer:	University of the Philippines Baguio
Duration:	Nov. 2011 – March 2012
Position/Designation:	Professorial Lecturer
Employer:	University of the Philippines Baguio
Duration:	August 2008 – August 2011
Position/Designation:	Senior Lecturer
Employer:	Jubail University College, Kingdom of Saudi Arabia
Duration:	June 2007 – July 2008
Position/Designation:	Associate Professor
Employer:	University of the Philippines Diliman
Duration:	Jan. 1997 – May 2007
Position/Designation:	Associate Professor
Employer:	University of the Philippines Baguio
Duration:	July 1993 – December 1996
Position/Designation:	Assistant Professor
Employer:	University of the Philippines Baguio
Duration:	September 1990 – July 1993
Position/Designation:	Teaching Associate
Employer:	Ohio University



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Duration: June 1979 – May 1989
 Position/Designation: Instructor
 Employer: University of the Philippines Baguio

Other Designations/Committees while Affiliated with UP Baguio

Duration	Designation/ Committee
December 2021 - present	Member, AUPAEU UPB Board of Directors
January 2019 - present	Member, DENR-EMB Regional Ecology Cluster
September 2021- April 2022	Coordinator, CS Science Research Center
March 2017 – February 2022	Pollution Control Officer, UP Baguio
August 2020 – July 2021	Chair, Department of Physical Sciences
August 2017 – July 2020	Chair, Biological & Chemical Wastes Management Committee
August 2017-July 2020	Senior Member, DAPC
January 2017 – December 2019	Chapter President, AUPAEU UP Baguio
June – December 2016	VP for Faculty, AUPAEU UP Baguio
June 2001- May 2003	Registrar, UP Baguio
June 2000-May 2001	Secretary, UP Baguio
June 1999 – May 2000	Student Relations Officer, UP Baguio
June 1997 – May 2000	Learning Center Coordinator, UP Open University
June 1994- May 1996	Node Coordinator, STTC-DOST Philippines
June 1987- May 1989	Coordinator, Secondary Level Adult Education, UP Baguio-World Vision International
1996-1998; 1979 – 1982; 1984 - 1989	Discipline Head, Chemistry

Research Projects/ Research Involvements (2008-present)

Duration	Research Project Details
Aug. 2018 – July 2019	Title: Water Treatment using Acid-Modified and Functionalized Zeolites Position: Project Leader Funding agency: UPB Cordillera Studies Center
August 2017 – July 2018	Title: Antimicrobial Assay of Alkaloidal Extracts of <i>Embelia Philippinensis</i> Position: Project Leader Funding agency: UPB Cordillera Studies Center
2013 – 2019	Titles: 1. Heavy Metal Adsorption of Plasma Treated Bentonite Clay by Surface Modification Through Atmospheric Pressure Plasma Jet 2. Investigation of Physico-Chemical and Flame Retardant Property of Boric Acid Under Nitrogen-Based Gliding Arc



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3. Isolation of Magnetotactic Bacteria (MTB) from the Mine Tailings Pond in Luneta, Antamok, Benguet and their Application as Metal Biosorbent Agents
4. Bioluminescent Bacteria from *Oreochromis niloticus* as Potential Biosensors of Cd and Pb
5. Molecular Profiling of Airborne Bacteria in a Mummy Burial Cave in Kabayan, Benguet and Evaluation of the Susceptibility of the Bacterial Isolates to Besodak (*Embelia Philippinensis*) Extracts
6. Comparative Analysis of Copper(II) Accumulation of Field and Laboratory-reared *Terapon jarbua* with and without Nematode Infection
7. Anticholinesterase & Antioxidant Analyses of Endophytic Fungi in *Secchium edule*
8. Mercury Bioaccumulation in *Oryza sativa* Planted in Fields Near Mine Tailing Ponds in Aroroy, Masbate
9. Copper and Cadmium Recovery of Magnetotactic Bacteria Isolated from Mine tailings in Luneta, Antamok, Benguet
10. Biosorption of Zinc and Lead by Isolated Microalgae from Mine Tailings in Luneta, Antamok, Benguet
11. Screening of BAPT and DBAT Genes of Foliar Endophytic Fungi Isolated from Philippine Mangroves
12. Comparative Antidiabetic Analysis of *Sesbania grandiflora*, *Physalis angulate*, *Bacopa monnieri* and Polyherb on Monosodium Glutamate-Induced Diabetic Wister Rats
13. Isolation & Identification of Compounds Involved in the Antimicrobial Activity of *Polymesoda erosa*
14. Identification of Styrene-Degrading Bacteria from Irisan Dumpsite
15. Modification of ω -3/ ω -6 Ratio in Nile Tilapia (*Oreochromis niloticus* L.) using Purslane (*Portulaca oleraceae* L.) and Dandelion (*Taraxacum officinale*)
16. Isolation & Identification of Compounds Involved in the Antimicrobial Activity of *Polymesoda erosa*

Position: Thesis advisor/co-advisor

Funding agency: None

June 2013– Dec. 2014

Title: Small Scale Mining in Fidelisan, Sagada,

Mt. Province: A Case Study

Position: Study Leader

Funding agency: TEBTEBBA



November – December 2012	Title: Plant Utilization in Ibaloi Mummification Position: Research collaborator Funding agency: None
Nov. 2007 – August 2008	Title: Modification of Silica Gel with 1,10-Phenanthroline for Cd(II) and Pb(II) Position: Project Leader: Funding agency: UPD IC Professorial chair

List of Publications (Books, Journals, Proceedings, etc.)

Articles

1. Calugay, R.J., Aguilar, A.I.J., Liwag, J. R., Ramos, P.S., Giron, O.D. (2018). Robust cadmium removal and tolerance by a magnetotactic bacterium isolated from the sediment of an open-pit mine tailings lake. *Philipp. Sci. Lett.* 11, 013-017.
2. Giron, O.D.; Basa, J. E.; Distor, K. S. E.; Pusing, K. G. N. (2016). Mercury levels in *Oryza sativa* Cultivated in Philippine Small-scale Mining Villages. *International J Environmental Studies*,
3. Giron, O.D.; Lirag, R.C.; Arco, S.D.; Quirit, L. L. (2013). Modification of Silica Gel with 1,10-Phenanthroline for Cd(II) and Pb(II) Adsorption. *KIMIKA*.
4. Arco, S.D.; Laxamana, R.T.; Giron, O.D.; Obliosca, J.M.(2009). Synthesis of [RMIM] Acetate Halogen-Free Ionic Liquids for Use as Greener Solvents in Diles-Alder Reaction. *Phil J Science*, 138(2), 133-139.
5. Giron, O.D. (1999). Soil Physico-Chemical Characteristics in a Secondary Succession. *Rangtay*. 1(2), 23-28.
6. Dela Cruz-Giron, O.; Gomez, E.; Dela Cruz, A.A.; Joshi, B.S.; Chittawong, V.; Miles, D.H. (1989). Toxicants from Mangrove Plants, V. Isolation of the Piscicide, 2-Hydroxy-5-Methoxy-3- Undecyl-1,4-Bbenzoquinone (5-O-Methylembelin) from *Aegiceras corniculatum*. *J Nat. Prod.* 52(3), 649-651.
7. Giron, O.D.; Sumera, F.; Miles, D.H.; Gomez, E. (1989). *Isolation and Characterization of Fish Toxins from Aegiceras corniculatum*". *Phil J Science*, 51-57.
8. Giron, O.D. (1990). Copper and Zinc in Plants Contaminated by Mine Tailings. *Rangtay*. 1(1), 6-10.

Research Presentations in Conferences

Date	Title of Presentation	Conference and Venue
International July 12-14, 2017	Uncovering 'Besodak's Antibacterial Effects As Scientific Basis For Its Use In Mummification	2nd International Conference on Cordillera Studies Indigenous Studies in the Philippines: Issues and Prospects Venue: Baguio City, Philippines



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June 9-12, 2016	<i>Waste Disposal Issues in a Philippine Upland Urban Center</i>	The 6th Asian Conference on Sustainability, Energy & the Environment, International Academic Forum 2016 Venue: Kobe, Japan
Aug. 11-14, 2015	<i>Artisanal and Small-scale Mining in Southeast Asia and Some Environmental Impacts</i>	8th EuroSEAS Conference Venue: Vienna, Austria
January 16, 2004	<i>A Bioactive Compound from <u>Equisetum ramossissimum</u> spp.</i>	9th International Symposium in Natural Products Chemistry Venue: Karachi, Pakistan
December 5, 2001	<i>Synthesis of Silica-Supported Inorganic Catalysts</i>	Singapore International Chemical Conference Venue: Singapore
Oct. 23-31, 1993	<i>Sustainable Agriculture Practices (CSC NRMP Program)</i>	SUAN-ENV Methodology Workshop on Biodiversity Venue: China
Oct. 5, 1993	<i>Catalytic Properties of Rhodium Complexes on Functionalized Silica Surfaces</i>	ACS 25th Central Regional Meeting Venue: Pennsylvania, USA
May 15, 1992	<i>Transition Metal Complexes on Functionalized Silica Surfaces</i>	ACS 24th Central Regional Meeting Venue: Ohio, USA
January 1987	<i>Isolation and Chemical Characterization of Toxicants from <u>Aegiceras corniculatum</u> spp.</i>	UNESCO Regional Seminar on the Chemistry of Mangrove Plants Venue: Bangkok, Thailand
National Dec. 5-7, 2018	<i>Bioluminescent <u>Vibrio</u> Sp. from <u>Gazza</u> Sp. as Potential Biosensors of Copper and Zinc</i>	3rd Philippine Solid & Hazardous Waste Management Conference Venue: Bohol, Philippines
May 23-25, 2001	<i>A Bioactive Compound from <u>Equisetum ramossissimum</u> spp.</i>	17th Philippine Chemistry Congress Venue: Olongapo City, Philippines
Nov. 9-11, 2000	<i>Documentation and Chemical Prospecting in Busol Watershed</i>	First National Conference on Cordillera Research Venue: Baguio City, Philippines



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Public Service

Date/s	Extension Service Details
April 22, 2022	Title: 27th Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker Title of Talks: <i>Stoichiometry and Atom Economy</i> <i>The Significance of Digits</i>
March 4 & 11, 2019	Title: DENR-ROI's Regional Awareness Raising Activity on Mercury Position: Resource speaker Title of Talk: <i>Basic Information about Mercury and Impacts to Human Health</i>
April 25-27, 2019	Title: 25th Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker Title of Talks: <i>Theories of Matter and the Electronic Structure: A Walk through History</i>
Nov. 3 & 17, 2018	Title: 2018 Regional Science and Technology Fair Scientific Review Position: Committee Evaluator Title of Talk: NA
April 26-28, 2018	Title: 24th Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker Title of Talk: <i>Data Analysis and Report Writing</i>
April 27, 2018	Title: Research Fair 2018 Transcendence: Active Scientific Synergy through Science, Technology, Engineering, Agriculture and Mathematics Research" PSHS Central Luzon Campus Position: Research Expert Title of Talk: NA
April 12-13, 2018	Title: 2018 Research Congress: Innovation Breakthroughs Through STEM Research Position: Career Orientation speaker Title of Talk: NA
April 27-29, 2017	Title: 23rd Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker Title of Talks: <i>Waste Management in the Academe</i> <i>Interdisciplinary Research in Chemistry</i>
October 15, 2016	Title: Seminar-Workshop for the Senior/Junior High School Science Teachers Position: Lecturer and workshop facilitator



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	Title of Talks: <i>Chemical Accounting</i> <i>Chemical Reactions and Kinetics</i>
April 28-30, 2016	Title: 22nd Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker Title of Talks: <i>Water Quality I: Sampling and In-situ Measurements</i> <i>Water Quality II: Laboratory Measurements</i>
Feb. 27, 2016	Title: Zero Waste Cluster of the Baguio We Want Position: Resource speaker Title of Talk: Management of Plastic Wastes
April 30 – May 2, 2015	Title: 21st Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker and workshop facilitator Title of Talks: <i>Reshuffling Atoms</i> <i>Chemical Accounting</i> <i>Workshop on Class Demonstrations of Reaction Rates</i> <i>Demo & Exercises on Reaction Kinetics</i>
April 28, 2015	Title: Baguio Citizens' No Waste Initiative Position: Resource speaker Title of Talk: Solid Wastes
July 3, 2014	Title: Toward Good Water Governance for Development: A Multi-Case Analysis Position: Trainor Title of Talk: <i>Training on Physico-Chemical Water Sampling and Analysis</i>
May 1-2, 2014	Title: 20th Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker and workshop facilitator Title of Talks: <i>Current Trends in Consumer Chemistry</i> <i>Module Writing for Consumer Chemistry Topics</i>
Feb. 14, 2014	Title: CS Lecture Series 2014 Position: Lecturer Title of Talk: <i>Research in Green Chemistry</i>
Aug. 29, 2012	Title: Workshop on Baguio Garbage: Understanding It and Getting Involved Position: Panel Reactor
April 2-4, 2012	Title: 19th Summer Institute in the Natural Sciences and Mathematics (SINSM) Position: Seminar speaker Title of Talk: <i>Current Trends in Green Chemistry Research</i>



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Membership in a National/International Organizations

Date/s	Organization Details
1993 - present	Member, Philippine Association of Chemistry Teachers

Professional Development: Participation in Conferences/Trainings

Date	Conference and Venue
National	
May 27, 2022	S4CP SUMMIT: Science for Change Program is Science for the People - Mindanao cluster Venue: Zoom webinar
April 27, 2022	Research Ethics for Teachers and Students Venue: Zoom webinar
April 25, 2022	External Quality Assurance Webinar Venue: Zoom webinar
April 21, 2022	The MindUP Brain: Building a Happier, Healthier, More Balanced Life Venue: Zoom webinar
April 17, 2022	5 Tips for Spring Cleaning Your Teaching Spaces Venue: Zoom webinar
April 1, 2022	Myth of the Solid North: A discussion on the historical struggle against tyranny and repression in Northern Luzon Venue: Zoom webinar
March 31, 2022	Understanding the biomedical research landscape Venue: Zoom webinar
March 29, 2022	AMDABiDSS-Health's Media Launch (Research to Impacts) Venue: Zoom webinar
March 28, 2022	Benchmarking for QA Webinar Venue: Zoom webinar
March 26, 2022	Pantatavalan 2022: Women's Agenda and Governance Issues (WAGI) with National Women Candidates
March 21, 2022	Benchmarking for QA Webinar Venue: Zoom webinar
March 17, 2022	PIDS Webinar on Examining the Readiness of Philippine Cities for Smart City Development Venue: Zoom webinar
Feb. 28, 2022	UP System-wide Summit on the Gradual Re-opening of Campuses Venue: Zoom webinar
Feb. 24, 2022	Mobility, Return and Reintegration During the COVID-19 Pandemic: Migration and Health Experience of the Philippines Venue: Zoom webinar



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Feb. 18, 2022	GEC Teach, Talk: How to teach and manage your Gen Z Class (Ethics Edition) Venue: Zoom webinar
Feb. 11, 2022	BSBF Webinar Women in Big Science Venue: Zoom webinar
Feb. 11, 2022	Yes, we STEM!: Filipina Student Migrants in the Sciences Venue: Zoom webinar
Jan. 19, 2022	Call Conference for HEIRIT TBI Batch 1 Venue: Zoom webinar
Dec. 1, 2021	Connecting with Classrooms Around the World Venue: Zoom webinar
Dec. 1, 2021	Spanish Innovations in Global Health for ASEAN Venue: Zoom webinar
Nov. 15, 2021	UPCA 2022 Venue: Zoom webinar
Nov. 15, 2021	GEC Vacc to School: Doing Blended Learning for GE Courses Venue: Zoom webinar
Nov. 10, 2021	Integrating Authentic Assessment Into Curriculum to Leverage Student Learning Venue: Zoom webinar
Oct. 6, 2021	Improving Learning Outcomes in the Hybrid Science Classroom Venue: Zoom webinar
Oct. 1, 2021	European Research Council: Grants for Top Researchers from Anywhere in the World Venue: Zoom webinar
Sept. 29, 2021	Moving Traditionally In-Person Science Courses Online Venue: Zoom webinar
Sept. 13, 2021	Philippine Mineral Resources towards the HORIZON: A Webinar Series on Mineral Resources Management Webinar Series 1: Mine waste Utilization Venue: Zoom webinar
Sept. 13, 2021	Gender-Fair Language Training Venue: Zoom webinar
Sept. 6, 2021	Webinar on Slido Venue: Zoom webinar
Aug. 10, 2021	Practical Pointers for Developing Your MSCA Postdoctoral Fellowship Proposal Venue: Zoom webinar
July 29, 2021	Designing Online Assessments at the University of Technology Sydney Venue: Zoom webinar



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July 22, 2021	Ensuring Quality in Online, Offline and Blended Learning Venue: Zoom webinar
July 21, 2021	Designing Technology-Enhanced Instruction in the New Normal Venue: Zoom webinar
July 19, 2021	Journal Citation Reports (JCR) 2021 Overview Venue: Zoom webinar
June 23, 2021	Hybrid Teaching and Learning Post-Pandemic: How to Make the Most of Educational Videos Venue: Zoom webinar
June 16, 2021	Assessing Your Institution's Collaborations Venue: Zoom webinar
April 14, 2021	Stimulating Cells – A Physical and Mechanical Perspective Venue: Zoom webinar
April 7, 2021	Webinar on Forever Chemicals Venue: Zoom webinar
April 6, 2021	Video is King! Helping Researchers Create a Visual Global Footprint Venue: Zoom webinar
March 30, 2021	Science Communication for Researchers with Dr. Sam Illingworth Venue: Zoom webinar
March 30, 2021	PCIEERD Regional Consortia Orientation on the Use of DOST-DPMIS and Proposal Evaluation Criteria Venue: Zoom webinar
March 29, 2021	Making Space for Women: Advancing Gender Equality in the Philippine Space Science Sector Venue: Zoom webinar
March 29, 2021	Gender Sensitivity and Anti-Sexual Harassment Orientation Venue: Zoom webinar
March 24, 2021	Frontier Science in Europe with the ERC Venue: Zoom webinar
March 22, 2021	Ang Huling Plastic Venue: Zoom webinar
March 8, 2021	Women and Chemicals Webinar Venue: Zoom webinar
Feb. 17, 18 & 25	Human Health, Open Skies Treaty, and Security Implications of COVID-19 Venue: Zoom webinar
Feb. 22, 2021	Building Academic Integrity: Best Practices in Teaching & Learning Venue: Zoom webinar
Feb. 17, 2021	Hybrid Classrooms: Tackling a New Normal Post-2020 Venue: Zoom webinar



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Feb. 1, 2021	Helping Our Student Learn in a Changed Learning Landscape Venue: Zoom webinar
Jan. 26, 2021	Pagdalyo: A Webinar on the Watersheds and Dams in the Philippines Venue: Zoom webinar
Jan. 25, 2021	Using Applied Improv for Learner Engagement Venue: Zoom webinar
Jan. 12, 2021	Recordatorio: Huwag Kang Plastik: A Webinar on Single-Use Plastic Alternatives Venue: Zoom webinar
Dec. 15, 2020	Promoting the Culture of Research and Publication in the Graduate Programs Venue: Zoom webinar
Dec. 11, 2020	Innovation Thinking in School Transformation: Incorporating Innovation in School Programs and Projects Venue: Zoom webinar
Dec. 4, 2020	Dealing With 'Toxicity' in Our Homes During the Pandemic: A Primer Lecture on Household Toxicants Venue: Zoom webinar
Dec. 4, 2020	Turnitin Instructor's Workflow Training (MOODLE) - UP System Venue: Zoom webinar
Dec. 2, 2020	Plasma Science and Technology in UP Baguio Venue: Zoom webinar
Nov. 27, 2020	ASEAN-QA Online Forum 2020: Drivers for Change: Quality Assurance in Times of Disruption and Innovation Venue: Zoom webinar
Nov. 27, 2020	The Alliance of TechTransfer Professionals of the Philippines (AToP) Virtual Launch Venue: Zoom webinar
Nov. 25, 2020	Virtual Reality Experiments in Distance Learning-VRLab Academy Venue: Zoom webinar
Nov. 25, 2020	Communicating Basic Research Results to the People: Food Safety and Security through Biotechnology Venue: Zoom webinar
Nov. 23, 2020	The ABCs of GEN XYZ: Understanding Our Learners Venue: Zoom webinar
Nov. 20, 2020	From Farm to Fridge, Developing Functional Foods Through R&D Venue: Zoom webinar



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Nov. 18, 2020	SMILE Webinar Session 2: Nurturing Wellness for Increased Organizational Performance Venue: Zoom webinar
Nov. 18, 2020	Webinar on Online Assessment
Nov. 17, 2020	Role of Carbon Capture Utilisation and Storage (CCUS)/Carbon Recycling in ASEAN and East Asia Venue: Zoom webinar
Nov. 5, 2020	Zooming Out: A Midterm Assessment of Best Practices in Teaching Online
Oct. 26, 2020	UPCAT 2021: Challenges and Options for UPCAT 2021 Venue: Zoom webinar
Sept. 24, 2020	Teaching and Learning in Challenging Situations: How can we support each other? Venue: Zoom webinar
Sept. 15, 2020	European Research Council: Grants for Top Researchers from Anywhere in the World Venue: Zoom webinar
Sept. 4, 2020	How to be a Lifeline: Supporting Students in a Remote Learning Context Venue: Zoom webinar
August 27, 2020	Going Digital: Learning from the Learners Venue: Zoom webinar
August 21, 2020	RemOAT and Interactive Learning Conversations: True or False or None of the Above: Selecting Appropriate Assessments for Remote Learning Venue: Zoom webinar
August 13, 2020	RemOAT and Interactive Learning Conversations: a sySTEM in the madness: Preparing to Teach STEM Courses Remotely Venue: Zoom webinar
August 13, 2020	SEL in Distance & Blended Learning Classrooms Venue: Zoom webinar
August 12, 2020	COVIDIZATION 101: A Webinar on Covid Updates in Baguio City Venue: Zoom webinar
August 12, 2020	COVID-19 Update in Baguio City and Potential Vaccines Venue: Zoom webinar
August 10, 2020	Copyright, Copyleft, Creative Commons, and Fair Use Venue: Zoom webinar
August 10, 2020	Course Pack Ganern! Round 2 Where to Start, How to Do It, What to Write
August 6, 2020	Course Pack Ganern! Venue: Zoom webinar



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July 22, 2020	Why Collaboration Is Key in Distance, Blended, and Classroom Learning Venue: Zoom webinar
July 21, 2020	CS Online Training on Remote Learning Venue: Zoom webinar
July 14, 2020	CS Online Training on Remote Learning Venue: Zoom webinar
June 26, 2020	CU-Wide Dialogues Venue: Zoom webinar
June 22, 2020	Taking Stock and Gearing UP for Remote Learning Venue: Zoom webinar
June 11, 2020	Re-examining Teaching and Learning in Challenging Times: What are our assessment options? Venue: Zoom webinar
May 15, 2020	Empower Your Research Performance using ScienceDirect Venue: Zoom webinar
May 14, 2020	Moving to Remote Learning Venue: Zoom webinar
March 30, 2020	Online Training for UP Staff Venue: Zoom webinar
March 16, 2020	Quick Guide on How to Convert Your Classes Online Venue: Zoom webinar
March 13, 2020	UPOU Webinar on Google Classroom Venue: Zoom webinar
July 24, 2019	Dr. Tony Bates Shares Strategies in Building a 21st Century University Venue: Zoom webinar
March 22, 2019	Parent Implemented Language Intervention Venue: Baguio City
April 24, 2018	Chemical and Environment – Portable Sensor Technologies (CE-PoS) Venue: Baguio City
Feb. 7 – March 3, 2017	Basic Pollution Control Officers' Training Venue: Baguio City
October 18-19, 2016	Practical and Cost-Effective Solutions to Laboratory Chemical Wastes Venue: Makati City
Nov. 18, 2014	National Conference on the Presentation of Sample or Suggested Curriculum for BS in Chemistry Program Aligned to Outcomes-Based Education Venue: UST, Manila
Sept. 18-19, 2014	GE Mini-Conference Venue: Baguio City



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Oct. 28, 2012	1st M.O.V.E. Symposium: Materials Development Towards Innovative and Emerging Applications Venue: Ilocos Norte
Local	
Jan. 12, 2015	Workshop on UP Baguio's GE Program Venue: Baguio City
Aug. 1, 2014	UP Baguio Conference on Internationalization Venue: Baguio City
Oct. 12, 2012	Safe Handling of All Reagents as an Environmental Support (SHARES) Seminar Venue: Baguio City

Commendations and Awards:

Best Oral Presenter	Tagbilaran City, Bohol	Dec. 5-7, 2019
	3rd Philippine Solid & Hazardous Waste Management Conference	
Dr. Agustin and Ofelia Bella	UP Diliman, Philippines	2007-2008
Professorial Chair Holder		
UPDJ Professorial Chair Holder	UP Baguio, Philippines	2006; 2002-2003
Chancellor's Award for Senior Faculty Member	UP Baguio, Philippines	2005
Recognition as S & M Technical Expert	CHED Zonal Research Center (Reg. 1,2 & CAR), Philippines	2003
TWAS Exchange Scientist and Research Fellow	Hussein Ebrahim Jamel International Research Institute in Chemistry Karachi University, Pakistan	2000-2003
Third World Academy of Sciences (TWAS) Associate Member		1999-2001
Japan Foundation for the Promotion of Science Research Fellow	Sophia University Japan	1999
UPIP Professorial Chair Holder	UP Baguio, Philippines	1997-1998; 1995-1996; 1994-1995
Dr. Juan Salcedo Science Education Awards National Finalist	DOST, Philippines	1997



**UNIVERSITY OF THE PHILIPPINES
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Governor Pack Road, Baguio City 2600



College of Science

Telefax: (074)442-7231

Email: cs.upbaguio@up.edu.ph

Consultancies, creative works, etc.

Senior reviewer, The Asian Conference on Sustainability, Energy & the Environment
International Academic Forum, 2017

Consultant, ICLEI project "Engaging Communities and the City Government in Addressing
Water Security, Sanitation and Urban Resilience in Baguio City", July - August
2016, UP Baguio

Member, Working Group on Management of Chemical and Hazardous Wastes

Co-proponent, Curricular revisions on existing GE course (Chem 1)

CHED External Evaluator, Research, Extension, Production & Development Office Tarlac State
University

Article Review Panel Member, Journal of the Chemical Society of Pakistan

Editorial Board Member, KIMIKA

Laboratory Manual Developer & Writer, Elementary Analytical and Organic Chemistry
Courses

Module writer, General Education Chemistry Modules

Developer and Writer, Kits for Microscale Experiments

Developer, Visual Teaching Aids in GE Chemistry Courses

Editorial Board Member, Rangtay

Staff Writer, Ti Similla (UP Baguio Official Publication)

Editor, Training Manual & Proceedings of the Research Training Program for 110 S and T
Oriented High Schools (Reg. 1 and CAR)