

Jana Cu Howard

Research Associate | Project Manager | Quality Assurance
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Relevant Experience:

- Experience in Quality Assurance
 - Masters Degree in Business Administration with concentration in Supply Chain and Operations Management at Southern New Hampshire University
 - Currently a PhD in Environmental Science student at University of Idaho
 - Experienced in laboratory research.
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Work Experience:

- Research Associate, Idaho National Laboratory May 2025 – Present

Responsibilities:

- Trained on the following instruments: Focused Ion Beam, Scanning Electron Microscopy, X-ray diffraction, nanoindentation, nanomilling, sample preparation.
 - Other responsibilities include: preparing radiological transfer paperwork and radioactive sample inventory, coordinating with researchers, and tracking lab consumables
 - **Research Associate**, Boise State University, November 7, 2022 – April 2025, Center for Advanced Energy Studies, Idaho Falls
 - **Quality Assurance Lab Tech**, April 2021- November 2022, Cargill Sweetbriar, Bovina TX
 - **Quality Assurance**, July 2017- July 2018, Northwest Cosmetics Labs, Idaho Falls, Idaho
 - **Part-time Laboratory Technician (Summer)**, April 2017, Materials Testing & Inspection, Pocatello, Idaho
 - **AutoCAD Design Drafter & Document Controller**, May 2016- April 2017, 3D Fire Protection, Idaho Falls, Idaho
 - **Science Research Specialist** October 2014- September 2015, Department of Mining, Metallurgical, and Materials Engineering, University of the Philippines
 - **Student Assistant**, August 2014, Department of Mining, Metallurgical, and Materials Engineering, University of the Philippines
 - **Lab Intern**, April 2013, National Historical Commission of the Philippines, Materials Research Conservation Division
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Education:

- **Present Ph D Environmental Science**, University of Idaho
- **Masters degree in Business Administration with concentration in Supply Chain and Operations Management** at Southern New Hampshire University
- October 2019 – May 2020 **Certificate in CAPM and PMP Project Management Essentials**, University of Texas at El Paso
- June 2009 – March 2014 **Bachelor of Science in Materials Engineering**, University of the Philippines –Diliman, Graduate
**This degree has been evaluated to be equivalent to a bachelor's degree bestowed by an accredited university in USA.*
- 2009 - **High school**, Our Lady of Perpetual Succor College

Body of work:

- Orally Presented in TACT 2015 International Thin Films Conference in Tainan, Taiwan: Effect of plasma treatment on surface morphology and optical properties of low- density polyethylene sheets by M.R. Vasquez, J.R.L.A. Cu, and P. Tingzon
- Poster presented in the 37th Annual International Symposium on Dry Process in Awaji Island, Japan: Investigation of Copper Oxide Thin Films Deposited on FTO Glass Substrate Using a Hot- cathode DC Source Plasma System by M.R.Vasquez, J.R.L.A. Cu, and M. Wada
- Poster presented in ISSP 2015: The 13th Annual International Symposium on Sputtering and Plasma Processes in Kyotanabe, Japan: Properties of amorphous carbon layers grown on polyimide substrates using hot-filament cathode excited plasma by J.R.L.A. Cu, M.Wada, and M.R. Vasquez
- Poster presented in ISSP 2015: The 13th Annual International Symposium on Sputtering and Plasma Processes in Kyotanabe, Japan: Investigation of Copper Oxide Thin Films Deposited on FTO Glass Substrate Using a Hot-cathode DC Source Plasma System by J.R.L.A. Cu, M.R.Vasquez, and M. Wada
- Trailer Inspection Project spearheaded by Jana Howard at Cargill Sweetbran Bovina, TX. In partnership between Feed Safety, Quality, and Regulatory team and Supply Chain team.
- Have been constantly involved in many RTE and CINR projects under Microscopy and Characterizations Laboratory (MaCS) in Center of Advanced Energy Studies building.
- Contributing author in:
 - “Creep-Induced Segregation at Grain Boundaries of Alloys – A Compelling Experimental Evidence for Diffusional Creep” by Boopathy Kombaiiah, Sriwaroop Dasari, Chaitanya Bhave, Shebab Shousha, Jana Howard, Advika Chesetti, Ninad Mohale, Benjamin Beeler, Sourabh Kadambi
 - “Effect of laser power and deposition sequence on microstructure of GRCop42-Inconel 625 joints fabricated using laser directed energy deposition” by Prof. Somayeh Pasebani, Jakub Preis, Jana Howard, Yu Lu, Nick Wannenmacher, Brian Paul