

DEBORAH (DEBBIE) PERU, M.B.A, B.S., B.A.

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SUMMARY

Senior level research scientist/project manager with extensive experience overseeing research & development projects including development, validation and implementation of analytical and physicochemical methods for laboratory, pilot plant, and manufacturing environments. The following lists specific areas of expertise:

- Near infrared Spectroscopy
- Chemometrics (PCA, SIMCA, PLS, HCA)
- Clinical studies
- Focus Beam Reflective Measurement (FBRM)
- Process Scale up
- Reaction monitoring
- Process capability
- Consumer insights
- Raman/SERS
- ICP-AES
- Mid Infrared
- Fiber optic probe interfacing
- Training course development
- Course facilitator
- UV/VIS
- Rheology
- Particle video microscopy (PVM)
- Design of experiments (DOE)
- Fluorescence
- Colorimetry, CIE LAB

EDUCATION

Master of Business Administration - University of Phoenix
Bachelor of Science in Nutritional Science - University of Delaware
Bachelor of Arts in Chemistry - University of Delaware

PROFESSIONAL EXPERIENCE

DP Spectroscopy & Training, LLC, Owner/Consultant	3 Years
Colgate Palmolive Co., Manager	20 years
W.R. GRACE & Co., Senior Research Associate	10 Years
NIPER/IITRI, Research Chemist	4 years

PROFESSIONAL AFFILIATIONS

Society for Applied Spectroscopy Officer	2000 to Present
SAS Distinguished Award	2019

PATENTS

Fifteen (15) device and process patents granted