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Sarah Reybuck Collier

Quality Systems Specialist at Dow Chemical
Chemicals
http://www.directoryinventor.com/profile/view/PhqQkM6s

Experience

Quality Systems Specialist

Dow Electronic Materials
10,001+ employees; Public Company; Chemicals
March 2012 - Present

Business Analytical Specialist

Dow Electronic Materials
10,001+ employees; Public Company; Chemicals
September 2009 - October 2012

Lead implementation of analytical strategies and methodologies in Dow Coating Materials manufacturing laboratories.

University Relations Manager

Rohm and Haas / England
Public Company; Chemicals
July 2007 - September 2009

Developed and executed the Rohm and Haas campus recruiting strategy including core school selection and budget allocation. Coordinated and trained over 100 volunteer company recruiters and interviewers. Established relationships with students, professors, and career center representatives at key universities. Connected with hiring managers to identify top candidates and guide them through the interview, offer, and onboarding stages. Worked closely with corporate leaders to identify annual hiring needs for Polymer, Research Engineering, and Electronic Materials Rotation programs.

Technical Project Leader - Marine Antifoulants

Rohm and Haas / England
Public Company; Chemicals
July 2005 - July 2007

Developed and implemented the technical roadmap and IP strategy for marine antifoulants in the Process Chemicals and Biocides business. Led team meetings and managed project progress through stage gate process and review by business leadership council. Coordinated between commercial, research, engineering, regulatory, and external research collaborators to drive project objectives. Technical lead for developing and maintaining relationships with research groups at top 8 marine paint customers globally (primarily in Europe and Asia).

Senior Scientist - Emulsion Scale-Up

Rohm and Haas / England
Public Company; Chemicals
April 2005 - June 2005

Supported the scale-up of new emulsion polymer products in a 2-month rotational assigment. Contributions included authoring new plant transfer processes and operating procedures, overseeing the scale-up of products from the laboratory to 500 gallon scale, and coordinating applications testing with technical service.

Senior Scientist - Emulsion Polymerization

Rohm and Haas / England
Public Company; Chemicals
September 2004 - March 2005

7 Month rotational assigment. Designed and executed experiments to elucidate the fundamentals of particle size control in hydrophilic emulsion polymerizations.

Senior Scientist - Technical Service

Rohm and Haas / England
Public Company; Chemicals
September 2003 - August 2004

Introduced and promoted new composites technology to customers in North America during site visits with marketing colleagues and product distributors. Coordinated with customers to develop improved formulations to meet performance gaps.

Research Assistant

Universitaet Konstanz
Educational Institution; Research
January 1998 - August 1998

Designed new metallocene catalyzed olefin copolymerization methods in a collaboration between BASF and Prof. Hans Brintzinger of Universitaet Konstanz. Work resulted in a patent for new polymerization methods. Developed conversational German language skills.

Education

Stanford University
Chemistry
1998 - 2003

Thesis: . Structure/Selectivity Studies of Zirconium Catalysts in Ethylene/?-Olefin Copolymerization: Kinetic Strategies for Controlling Copolymer Microstructure. Advisor: Professor Robert M. Waymouth Conducted research in collaboration with BP Amoco and Symyx to develop novel zirconocene catalysts and polyolefins. Trained and mentored undergraduate honors chemistry student. Authored 4

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papers appearing in refereed scientific journals. Supervised 3 graduate student teaching assistants for a class of 150 students. Administered exams and grading. Coordinated discussion sections.

University of Michigan
Chemistry, summa cum laude
1994 - 1997

Discovered and developed new diaminomaleonitrile derivatives and polymeric materials as an undergraduate research assistant with Prof. Paul Rasmussen (30% co-inventor on 2 patents).

Saint Joseph High School
1991 - 1994

Patents (5)

Imidazole containing compounds having relatively low hydrogen content and relatively high nitrogen content and polymers and copolymers formed therefrom (1 worldwide citation)
Paul G Rasmussen, Sarah E Reybuck, David M Johnson, Richard G Lawton
November 19, 2002: 06482954

Imidazole containing compounds having relatively low hydrogen content and relatively high nitrogen content and polymers and copolymers formed therefrom (1 worldwide citation)
Paul G Rasmussen, Sarah E Reybuck, David M Johnson, Richard G Lawton
May 7, 2002: 06384068

Cyclic imidazole compounds having relatively low hydrogen content and relatively high nitrogen content and polymers and copolymers formed therefrom (1 worldwide citation)
Paul G Rasmussen, Sarah E Reybuck, David M Johnson, Richard G Lawton
August 14, 2001: 06274724

Cylic imidazole compounds having relatively low hydrogen content and relatively high nitrogen content and polymers formed therefrom (3 worldwide citation)
Paul G Rasmussen, Sarah E Reybuck, David M Johnson, Richard G Lawton
August 1, 2000: 06096899

Diaminomaleonitrile derivative compounds, polymers, and method of producing same (3 worldwide citation)
Paul G Rasmussen, Sarah E Reybuck, Taeseok Jang, Richard G Lawton
January 27, 1998: 05712408

View all (5)