

## SANDI M. SCHWARTZ

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### SUMMARY OF QUALIFICATIONS

- Effective analyzer and communicator of complex science policy and technical issues, primarily in the environmental, health and transportation areas.
- Organized, innovative self-starter and collaborator who successfully initiates and manages projects to achieve results.

### PROFESSIONAL EXPERIENCE

#### Freelance Science Writer, Editor, Researcher (January 2007 – present)

- Creator of [www.savvysciencemom.com](http://www.savvysciencemom.com), a blog offering science-based information for parents.
- Edited Union of Concerned Scientists' report **The Root of the Problem: What's Driving Tropical Deforestation Today?** (2011).
- Contributed several articles to [www.sixtysecondparent.com](http://www.sixtysecondparent.com) including:
  - *Lice Treatments*
  - *Developmental Dysplasia of the Hip (DDH)*
  - *Bath Toy Safety -- Reducing Mold and Bacteria*
  - *Over-the-Counter Medicines and Your Baby*
  - *Sun Safety -- Sunscreen Ingredients Explained*
  - *Food Allergies and Your Baby*
  - *Foods to Avoid Giving Your Baby -- Bacteria and Infection*
  - *Foods to Avoid Giving Your Baby -- Choking*
  - *Mercury in Fish*
  - *Carpet Cleaning Safety and Your Baby*
  - *Sun Safety in the Car*
  - *Vitamin D and Your Baby*
  - *Five Amazing Ingredients Found in Breast Milk*
  - *Avoiding BPA in Baby Products*
- Wrote article "Medication Safety During Pregnancy" for [www.babygooroo.com](http://www.babygooroo.com).
- Researched and wrote the article "Linking Noise and Vibration to Sick Building Syndrome in Office Buildings" for **EM Magazine** of the Air & Waste Management Association.
- **Breast Cancer Network of Strength** (formerly Y-ME National Breast Cancer Organization)
  - Wrote articles for quarterly *Lifeline* newsletter about bone density loss due to breast cancer treatment, the recommended frequency of mammograms for women in various age groups, how caregivers can recognize and address compassion fatigue, how breast cancer patients and survivors can make healthy choices while on the go, and health care reform.
  - Produced brochure that describes HER2-positive breast cancer, how patients can get tested for it, and the treatment options available.
- Produced a lung cancer fact sheet for **CancerCare** that describes lung cancer, how it is diagnosed, and the treatment options available for patients. It was translated into Spanish.
- Authored articles for **Seven Mile Times** focused on hurricane forecasting and preparedness; rip current safety, beach replenishment; the temperate winter weather in Avalon and Stone Harbor, New Jersey; a construction project to repair damage in Avalon as a result of an October 2006 nor'easter storm; local aircraft navigation systems; beach access restrictions; the Stone Harbor Bird Sanctuary; Clean Ocean Action's impact on reducing pollution along the coast in New Jersey; sunscreen safety; local CPR and defibrillator training.
- Wrote articles for **Sea Isle Times** focused on beach replenishment, beach erosion, the New Jersey Artificial Reef Program, and hurricane forecasting and preparedness in Sea Isle City and Strathmere, New Jersey.

- **Foursquare Integrated Transportation Planning**
  - Edited the Arlington County Commuter Services Transportation Demand Management Plan for Arlington County Commuter Services division.
  - Provided summaries of transportation studies and budget data for Calvert County and St. Mary's County in Maryland for the Southern Maryland Transportation Needs Assessment per the request of the Maryland Department of Transportation.
  - Conducted a literature review of transit subsidy programs throughout the United States that was part of a marketing plan for the FareShare/Super FareShare program in Montgomery County, Maryland.
  - Edited meeting summary documents and scheduled speakers for the Maryland State Highway Safety Office's Task Force to Combat Driving Under the Influence of Drugs and Alcohol.
  - Helped develop the Arlington County (Virginia) Commuter Services Transportation Demand Management Plan.
- Identified and contacted various organizations to publicize meetings regarding Fairfax County, Virginia's new bus plan. Served as a consultant to **Sharp & Company** on this project.
- Produced report briefs for the following **National Academies** reports:
  - *Countering Biological Threats: Challenges for the Department of Defense's Nonproliferation Program Beyond the Former Soviet Union* (2009)
  - *Survey of Attitudes and Actions on Dual Use Research in the Life Sciences: A Collaborative Effort of the National Research Council and the American Association for the Advancement of Science* (2009)
  - *Partnerships for Emerging Research Institutions Report of a Workshop* (2009)
  - *Evaluating Research Efficiency in the U.S. Environmental Protection Agency* (2008)
  - *Science and Technology for America's Progress: Ensuring the Best Presidential Appointments in the New Administration* (2008)
  - *Transitioning to Sustainability through Research and Development on Ecosystem Services and Biofuels: Workshop Summary* (2008)
  - *Proceedings from Three International Workshops on Spent Nuclear Fuel* (2008)
  - *International Collaborations in Behavioral and Social Sciences: Report of a Workshop* (2008)
  - *Science and Security in a Post 9/11 World: A Report Based on Regional Discussions Between the Science and Security Communities* (2007)
  - *Innovation Inducement Prizes at the National Science Foundation* (2007)
  - *Achievements of the National Plant Genome Initiative and New Horizons in Plant Biology* (2007)
  - *English-Chinese Chinese-English Nuclear Security Glossary* (2007)
  - *Approaches for Evaluating the NRC Resident Research Associateship Program and NIST* (2007)
  - *Lost Crops of Africa Volume III: Fruits* (2007)
  - *Opportunities to Address Clinical Research Workforce Diversity Needs 2010* (2006)
  - *Achieving XXcellence in Science: Role of Professional Societies in Advancing Women in Science: Proceedings of a Workshop, AXXS* (2004)
  - *Lost Crops of Africa Volume I: Grains* (1996).
- Wrote summary booklets for **National Academies** reports *Lost Crops of Africa Volume I: Grains* (1996) and *Lost Crops of Africa Volume III: Fruits* (2007).
- Edited several reports for **Acclaro Growth Partners** including those focused on a company that designs and builds robotics for decommissioning nuclear power facilities, a manufacturer of railcar cleaning and nonhazardous waste management, a producer of precision rotary die products for the converting and printing industries, a company that produces thermal vent piping and industrial air cleaning systems, and the environmental impacts of shooting ranges.
- Served as a communications/research consultant to **Space of Mind**, a professional organizing

company. Developed outreach materials—including website text, articles, and fact sheets—for the Green Space program that focused on incorporating sustainable practices into clients' homes.

- Wrote an article for the **American Sleep Apnea Association**'s newsletter comparing and contrasting in-home sleep studies with studies done in a laboratory.
- Researched innovative cancer treatments and drafted text for the **Colorectal Cancer Coalition**'s website.
- Edited text for **www.acupuncturefertilityspecialists.com** and developed an application form for practitioners of Chinese Medicine specializing in fertility to be included in the online directory.

#### **The National Academies, Washington, DC**

**-Report Review and Communications Officer – DELS**, (September 2003 – December 2006)

**-Part-time Communications Officer – Division on Earth and Life Studies (DELS) and Policy and Global Affairs Division (PGA)**, (January 2007 – September 2007)

- Wrote and disseminated outreach materials summarizing complex scientific reports, such as report briefs, brochures, report release notifications, and subject-specific websites.
- Developed and implemented communications strategies for reports and the division overall.
- Managed peer review process for approximately 70 reports on topics including air quality, energy, climate change, water quality, radioactive waste disposal, toxicology, agriculture, ocean science, and chemical sciences. This entailed reviewing draft reports and providing suggestions for revisions in content, structure, and presentation; consulting and training project staff; assessing and synthesizing peer review comments; and working with experts to approve the final changes made to report.
- Directed committee of experts to review the Board on Agriculture and Natural Resources' animal nutrition project, which entailed conducting interviews with various people involved in the program, collecting and reviewing key documents, and writing the final assessment memo.
- Wrote a summary of a workshop on Bio-Inspired Chemistry for Energy for the Chemical Sciences Roundtable.
- Contributed to sections of *Managing Coal Combustion Residues in Mines* report (2006), which entailed conducting research, writing, and editing.
- Served as the research associate for the Committee on Coal Research, Technology, and Resource Assessments to Inform Energy Policy that included conducting research regarding federal agency support for coal-related research, and writing and editing sections of the report.
- Managed effort to collect impacts of DELS reports: worked with webmaster to develop an online database with impacts forms and summary reports, led working group to receive feedback on the process for collecting impacts, developed guidelines and examples of impacts for staff, analyzed data collected, and developed assessment reports for management on a biannual basis.

#### **Independent Consultant – Hill and Kehne, LLC Washington, DC (January – April 2005)**

- Presented research on federal, state, and local funding opportunities for private-sector development of hydrogen-fueling stations.
- Researched and summarized innovative market-driven environmental solutions in the brownfields real estate market.

#### **Senior Analyst – The Cadmus Group, Inc., Arlington, VA (June 2000 – September 2003)**

- Coordinated national consumer awareness campaigns for EPA's ENERGY STAR program.
- Developed and implemented sales and marketing efforts for ENERGY STAR products by conducting market research, writing and editing technical analysis papers, recruiting partners, and developing marketing materials.
- Tracked and analyzed energy efficiency and air quality legislation pertaining to ENERGY STAR products.
- Supported marketing efforts for EPA's Indoor Environments Division by developing case studies;

- brochures; press kit materials; and articles about indoor air quality, asthma, and tobacco smoke.
- Managed all aspects of projects including strategic planning, developing budgets and work plans, tracking cost expenditures, tasking staff and subcontractors, and writing monthly progress reports.

***Environmental Careers Organization Associate – Environmental Protection Agency, Design for the Environment Program (DfE)***, Washington, DC (July 1999 – June 2000)

- Authored summary report of the printing industry; conducted regulatory analysis, analyzed air emissions data and market statistics, and summarized technical aspects of ink systems.
- Created outreach materials such as fact sheets and co-authored an article about ink systems that appeared in the February 2000 issue of *Flexo Magazine*.
- Helped develop and implement a communications strategy and website for the program.

**INTERNSHIPS**

**World Resources Institute**, Washington, DC (June 1998 – July 1999)

**United States Senate, Senator Frank Lautenberg**, Washington, DC (January 1998 – May 1998)

**Rhodia (chemical company), Government Relations**, Washington, DC (October 1996 – November 1997)

**Cherry Hill Township Government, Community Development Office**, Cherry Hill, NJ (June 1996 – August 1996)

**EDUCATION**

**Johns Hopkins University**, Master of Arts in Government, Environmental Policy Focus, May 2004

Thesis: *Effectiveness of Voluntary Partnership Programs in Reducing Carbon Emissions from Passenger Vehicles*

Presented thesis at Northeastern Political Science Association conference in Boston, MA (November 2004), National Association of Environmental Professionals conference in Alexandria, VA (April 2005), and Association for Public Policy Analysis and Management conference in Washington, DC (November 2005).

**George Washington University**, Bachelor of Arts in Environmental Studies, Political Science minor, May 1999

**PROFESSIONAL AFFILIATIONS**

- Member, National Association of Science Writers
- Member, D.C. Science Writers Association

**PROFESSIONAL TRAINING**

- Writing with Clarity and Precision—The National Academies, 2004
- Marketing for Communications Professionals—The National Academies, 2004
- Project Officer's Development Workshop Series (Included classes on Report Writing and Report Production and Dissemination)—The National Academies, 2004