# David M. Morgan, Ph.D.

Winnipeg, MB | (902) 318-4906 | [dmmorgan@gmail.com](mailto:dmmorgan@gmail.com) | linkedin.com/in/dmmphdchemist

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## PROFESSIONAL SUMMARY

Versatile scientist and communicator with radiation laboratory, general chemistry, and quality assurance experience in government, academic, corporate, and volunteer settings, eager to apply know-how in data analysis, regulation, compliance, and communication in the service of the Canadian environment.

## SKILLS

Data analysis and interpretation | Radiochemistry | Gamma spectroscopy | Compliance | Chromatography | Spectroscopy | Knowledge Synthesis and Dissemination | Bilingual (English/French)

## EDUCATION

Ph.D. Chemistry, University of Chicago, 2002

B.A. Chemistry, Transylvania University, Lexington, Kentucky, 1993

## RELEVANT WORK EXPERIENCE

Quality Specialist April-June 2023

BioScision Pharma, Winnipeg, MB

* Carried out cannabinoid, terpene, heavy metal, pesticide, moisture, and other analyses following SOPs ensuring compliance with the Cannabis Act.

### Researcher 2020-2023

Colbert Laboratory, North Dakota State University, Fargo, ND

* Solved NMR structure of iron homeostasis protein resulting in publication supporting NIH grant application.

Chemistry Instructor 2020 – 2022

North Dakota State University, Fargo, ND

* Managed instruction, evaluation, individual tutoring, extracurricular activities for more than 800 students in general and introductory biochemistry courses.

Quality Assurance Director 2014 –2018

3277991 Nova Scotia Limited (Truro Herbal Company)

* Delivered quality assurance component of cannabis license application.
* Authored 46 Standard Operating Procedures, accompanying forms and methods.
* Installed quality laboratory.

Chemistry Instructor 2008 –2014

St. Francis Xavier University, Antigonish, NS

* Managed instruction, evaluation, individual tutoring, extracurricular activities for more than 1000 students in introductory and advanced biochemistry and medicinal chemistry.

Chemistry Instructor 2007-2008

Swarthmore College, Swarthmore, PA

* Managed instruction, evaluation, individual tutoring, extracurricular activities for more than 150 students in general chemistry laboratory, introductory biochemistry and seminar.

*Researcher 2002-2007*

Rosen Laboratory, University of Texas Southwestern Medical Center at Dallas

* Employed Nuclear Magnetic Resonance spectroscopy to assess protein structure and dynamics of WASP protein.

Graduate Research Assistant 1994 –1996

Los Alamos National Laboratory, Los Alamos, NM

* Synthesized and analyzed pillared layered materials for capturing Sr-90 and Cs-137 from simulated and actual nuclear waste streams; presented applicability to management of short-lived nuclear waste at American Chemical Society meeting.

SERS Program Participant January – May 1991

Los Alamos National Laboratory, Los Alamos, NM

* Carried out ultra-low level analytical radiochemistry in Class 100 clean rooms to follow Tc-99 migration in alluvial tuff at the Nevada Test Site resulting in publication relevant to environmental stewardship of long-lived radionuclides.

## RELEVANT VOLUNTEER EXPERIENCE

President, Board of Directors 2014 –2019

Antigonish Community Energy Cooperative, Ltd.

* Convened public information sessions to advocate for solar energy, recruited participants in group purchases of solar hardware, and facilitated installations for homeowners, businesses and community organizations across Northern Nova Scotia and Cape Breton.
* Coop negotiated net-metering with the Electric Utility of the Town of Antigonish in compliance with the Electricity Act.
* Coop activities contributed $427,000 to the local economy and raised $39,100 to fund solar energy installations on Antigonish Affordable Housing Association units.

## SECURITY CLEARANCE

* Reliability status *via* present employment (Canada Post)

## CITIZENSHIP

* Canada
* United States