

Chelsea N. Pugh, Ph.D.

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[LinkedIn](#)

Founder, Technical Writer & Editorial Designer

Concept Document Solutions, LLC

September 2023-Present

C O N C E P T .

Technical writing, editing, and design services to consultants and businesses, including:

- Capability Statements
- Proposals (RFP, RFI, RFT)
- Grant Applications
- Communication Strategies
- Client Reports
- Market Reports
- White Papers
- Annual and Quarterly Reports
- Research and Review Articles

Concept works with a range of industries, including management, marketing, insurance, cybersecurity, nonprofits, HR, engineering, environment, technology, science, and more.

contact@cnpdocumentsolutions.com
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Accomplishments

- Successfully worked with over 100 clients

Founder, Lead Advisor

ClimateSurge Advisors, LLC

September 2023 - Present



Responsibilities

- Provide strategic guidance to startups and small businesses and conduct market analyses for sustainable solutions.
- Evaluate business plans for scientific accuracy and assess projected mitigation outcomes to ensure feasibility and impact.

Accomplishments

- Wrote a comprehensive review for the lithium battery industry, to be submitted for publication in *Nature*.
- Delivered several comprehensive research articles on sustainable solutions for the disposables and furniture industry.
- Provided preliminary research for the development of new research tracking software.

Lead Scientist and Technical Writer

Science Systems and Applications Inc. - NASA Goddard Space Flight Center

September 2021 – April 2024

Responsibilities

- Led scientific field expeditions and laboratory operations, overseeing resource allocation, procurement, and preparation. Managed and directed near-shore and off-shore expeditions lasting up to 60 days, ensuring operational efficiency and successful outcomes.
- Conducted research and authored technical documentation for scientific studies focused on

Accomplishments

- Successful management and deployment for Alaska 2023 field mission and subsequent data analysis and reporting.
- Lead protocol development, published by International Colour Coordinating Group, now widely used for satellite validation algorithms across NASA and wider research community.

ground-truth validation of satellite measurements, ensuring data accuracy and reliability.

- Wrote and designed presentations and posters for international conferences.

Research Scientist & Doctoral Student

University of Miami

2017-2022

Responsibilities

- Conducted data analytics and laboratory research on long-term carbon sequestration.
- Organized and deployed on five 40-day field expeditions.

Accomplishments

- Completed doctoral (PhD) degree and published 100 page thesis.
- Published 3 first-author manuscripts in *Frontiers* and received the University's Best Student Publication award for 2021.

Research Scientist

Lee Biomaterial Laboratory - University of Colorado Denver

May 2015 – May 2017

Responsibilities

- Developed a novel protocol for synthesis of a hydrogel contact lens as a potential therapeutic for macular (ocular) degeneration.
- Oversaw laboratory operations, including training personnel, ensuring safety compliance, managing procurement, and organizing materials for efficient workflows.

Accomplishments

- Developed and published novel synthesis research in the *Journal of the American Chemical Society*.
- Authored and designed the University of Colorado's *Organic Chemistry Laboratory Manual*, published by Fountainhead Press.

Technical Writer

University of Colorado Denver

May 2015 – May 2017

- Authored, designed, and illustrated the *Honors Organic Chemistry* course guide, published by *Fountainhead Press*. This guide remains a required resource for students at the University of Colorado.

Education

Ph.D. Environmental Science

University of Miami – Rosenstiel School for Marine, Atmospheric, and Earth Sciences

B.S. Biochemistry – Summa Cum Laude

University of Colorado Denver