

**SEEMA AGRAWAL, Ed.D, M.S., Dip.SAD., RDN., LDN**  
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## **EDUCATION**

Ed.D. in Education

The George Washington University, Washington, D.C.

*Dissertation: A Study of Asthma, School Attendance, Academic Performance, and Quality of Life in Predominantly Minority Children in 3rd to 5th Grades*

M.S., R.D.N., L.D.N. in Nutrition

University of Maryland at College Park, College Park, M.D.

*Thesis: The Effect of Trans Fatty Acids in C57BL/6J Mice*

*Registered Dietetic licenses in Maryland and North Carolina*

Dip.SAD. Postgraduate Diploma in Systems Analysis and Design

Napier Polytechnic, Edinburgh, Scotland

B.S. in Dietetics

Queen Margaret University, Edinburgh, Scotland

*Senior Thesis: Understanding Insulin Receptors*

## **FACULTY/TEACHING APPOINTMENTS**

2018-present, Teaching Assistant Professor, University of North Carolina at Chapel Hill, Gillings School of Public Health, Chapel Hill, N.C.

2017 Adjunct Assistant Professor

University of the District of Columbia, Washington D.C.

2015 Adjunct Associate Professor,

University of Maryland Global Campus, Largo, M.D.

2011 Graduate Teaching Assistant in Statistics

The George Washington University, Washington, D.C.

Presented lecture material, graded papers, and assisted in the computer laboratory

## **CLINICAL EXPERIENCE**

2003-2018, Dietitian

Kaiser Permanente, Gaithersburg, M.D.

Provided nutrition education to patients and families in an outpatient setting, developed health education materials, conducted classes, and supervised dietetic interns.

2002-2003, Pediatric Dietitian

Children's National Medical Center, Washington, D.C.

Provided nutrition education to patients in the Day Treatment Program and outpatient setting.

## PUBLICATIONS

1. Thompson, K., Willis, E.A., Tchoua, P., Clarke, E., **Agrawal, S.**, Schenkelberg, M. Complementary feeding of practices of caregivers of infants with Down syndrome. (Under review).
2. White, A., Holliday, A., Wallace, S., Gibson, K., **Agrawal, S. (corresponding author)**. A Case Study of the Nutritional Management of a 15-month-old Infant with Spina Bifida Myelomeningocele. (Under review).
3. **Agrawal, S.**, Iqbal, S., Patel, S.J., Freishtat, R., Kochhar-Bryant, C. (2020). Quality of life in at-risk school children with asthma. *Journal of Asthma*, doi:10.1080/0220903.3030.1825732
4. Meadan, H., Pearson, J.N., & **Agrawal, S.** (2019). Yuck! I don't eat that! Nutrition and Selective Eating in Young Children with Autism. Military Families Learning Network
5. **Agrawal, S.** (2011). Food and Nutrition in College. The Heath Resource Center. <http://www.heath.gwu.edu/modules/food-and-nutrition-at-college/>

## BROADCASTS

**Agrawal, S.** (2023) Concepts in Nutrition. Hindi Program – Casey Radio 97.7 FM. Australia

## ABSTRACTS

1. Tchoua, P., Clarke E., Wasser H., **Agrawal, S.**, Scothorn, R., Thompson, K., Schenkelberg, M., Willis, E.A. The influence of social determinants of health on primary caregiver health practices and home environment. *Medicine & Science in Sports Exercise*. May 28 to May 31, 2024.
2. Colbert, J. Michelle James, M., **Agrawal, S.** Improving hospital screening for malnutrition: a quality improvement project. SMHCS Inter-professional Research Conference. 2023
3. Mofteh, M., Pike, K., **Agrawal, S.** The Nutritional Management of a Post COVID-19 Patient with Recurring High Gastric Residual Volumes: A Case Study. American Society of Nutrition. 2022
4. **Agrawal, S.**, Heimbach, JT., Amann, MM., Mohammedshah, F., Douglas, JS. Relative intakes of Conjugated Linoleic Acid (CLA) from meat and dairy products as a function of sex and age. *Journal of the American College of Nutrition*, 77(5), 526.1998

## HONORS AND AWARDS

2024 Institute for the Study of the Americas, Institute for the Study of the Americas Faculty Travel Grant

2018 Department Off-site Recruitment Award

This award recognized faculty efforts to increase diversity in student recruitment.

2018-2019 Award for Teaching Excellence and Innovation

This award recognizes a faculty member “who inspires students, enhances their learning through creative, engaging and/or innovative teaching methods; and supports success in the classroom and growth as a student and public health professional.”

### **SCHOLASTIC ACHIEVEMENTS**

Doctoral Deans Scholar at the George Washington University

MS Thesis work awarded second place at The Graduate Research Interaction Day at The University of Maryland at College Park

BS Graduation with merit in biochemistry and nutrition

### **PROFESSIONAL ORGANIZATIONS**

Member of the Accreditation Council for Education in Nutrition and Dietetics

### **ACADEMIC SERVICE**

UNIVERSITY OF NORTH CAROLINA, GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH, Chapel Hill, NC

Nutrition Program

- MPH Nutrition Practicum Advisor 2023-present
- Co-Chair of the Inclusive Excellence Committee 2023-present
- Admissions Committee, Nutrition and Nutrition RD Program, 2018-present
- Integrative Learning Experience Development Group, 2019-present
- Diversity, Equity, and Inclusion Committee, 2020-2023
- Equity in Teaching Institute Member, 2021-present
- Master’s Merit Fellowship/Assistantships Reviews and Selection, 2023

### **OTHER ACADEMIC SERVICE**

UNIVERSITY OF NORTH CAROLINA, GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH, Chapel Hill, NC

- Examiner for Comprehensive Exams, 2020-present
- Moderator for Weight Stigma Awareness Workshop, 2021
- Evaluator for Spring 2021 SPHG 722 Program Pitch Day, 2021

### **PRACTICE**

- Site reviewer with the Commission of Dietetic Registration. This involves visiting new internship sites that have applied to obtain accreditation. As a site reviewer, I review documentation and speak with faculty, staff, and students to ensure that the site has met all of the requirements for accreditation (2020-present)
- Nutrition and Dietetic Education Preceptor (NDEP) Resource Committee member. This position posts educational resources that are used by dietitians

and nutritionists to enhance their professional development and support the growth of student dietitians (2020-2022)

- eatrightPREP® Board of Editors-Clinical Content for the Academy of Nutrition and Dietetics develops content for student dietitians to support their preparation for the CDR exam. (2021-present)
- Funding president with the Maryland Academy of Nutrition and Dietetics (2023-present)

### **COMMUNITY SERVICE**

- Volunteer with Special Olympics North Carolina. I presented nutritional information to those with disabilities. (2020-2023)
- Volunteer with Ashiyanaa. I provide nutrition details to individuals who are South Asian and have minimal or limited fluency in English (2023-present)

### **JOURNAL PEER REVIEWER**

- British Medical Journal Nutrition, Prevention & Health
- The Journal of Asthma
- Progress in Community Health Partnerships: Research, Education, and Action
- Implementation of Science Communications

### **TEACHING**

UNIVERSITY OF NORTH CAROLINA, GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH, Chapel Hill, NC

#### **Bachelor of Science in Public Health**

NUTR 611 Nutrition and the Lifecycle, Fall 2019, 3 credits, 37 students

NUTR 295, Undergraduate Research in Nutrition, Spring 2022, 1 student

NUTR 295, Undergraduate Research in Nutrition, Fall 2021, 1 student

NUTR 691H Honors Research in Nutrition, Spring 2023, 1 student

NUTR 691H Honors Research in Nutrition, Fall 2022, 1 student

#### **Master of Public Health, Nutrition Program**

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Spring 2024, 3 credits, 33 students

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Spring 2023, 3 credits, 46 students

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Spring 2022, 3 credits, 34 students

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Spring 2021, 3 credits, 37 students

NUTR 650 Food Science and Culinary Arts-Lab and Lecture, Spring 2020, 3 credits, 24 students

NUTR 650 Food Science and Culinary Arts-Lab and Lecture, Spring 2019, 3 credits, 16 students

NUTR 711 Nutrition and the Lifecycle, Fall 2023, 3 credits, 47 students  
NUTR 711 Nutrition and the Lifecycle, Fall 2020, 3 credits, 32 students

NUTR 992 MPH Culminating Experience, Spring 2024, 3 credits, 47 students

Leadership Education in Neurodevelopmental Disorders, (LEND), Fall 2020

### **Gillings School of Global Public Health**

SPHG 351 Foundations of Public Health, Spring 2020, 3 credits

SPHG 713 Systems Approaches to Public Health, Fall 2022, 3 credits, 28 students

SPHG 713 Understanding Public Health Issues, Fall 2021, 3 credits, 43 students

SPHG 600 Introduction to Public Health, Spring 2024, 3 credits, 50 students

SPHG 600 Introduction to Public Health, Summer 2023, 3 credits, 33 students

SPHG 600 Introduction to Public Health, Fall 2022, 3 credits, 48 students

SPHG 600 Introduction to Public Health, Summer 2022, 3 credits, 40 students

SPHG 600 Introduction to Public Health, Spring 2022, 3 credits, 42 students

SPHG 600 Introduction to Public Health, Fall 2021, 3 credits, 40 students

SPHG 600 Introduction to Public Health, Summer 2021, 3 credits, 47 students

SPHG 600 Introduction to Public Health, Spring 2021, 3 credits, 74 students

SPHG 600 Introduction to Public Health, Fall 2020, 3 credits, 47 students

SPHG 992 MPH Culminating Experience, Spring 2023, 3 credits, 105 students

SPHG 992 MPH Culminating Experience, Spring 2022, 3 credits, 65 students

SPHG 992 MPH Culminating Experience, Spring 2021, 3 credits, 27 students

SPHG 703 MPH Pre-Practicum Assignments, Spring 2024, 13 students

SPHG 707 MPH Post-Practicum Assignments, Spring 2024

### **Master of Public Health MPH@UNC**

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Spring 2024, 3 credits, 10 students-lead instructor

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Fall 2023, 3 credits, 10 students-lead instructor

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Fall 2023, 3 credits, 4 students-lead instructor

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Summer 2023, 3 credits, 4 students-lead instructor

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Spring 2023, 3 credits, 17 students-lead instructor

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Fall 2022, 3 credits, 10 students-lead instructor

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Spring 2022, 3 credits, 26 students-lead instructor

NUTR 760/761L Food Science and Culinary Arts-Lab and Lecture, Fall 2020, 3 credits, 9 students

NUTR 711 Nutrition across the Lifecycle, Fall 2022, 3 credits, 28 students-lead instructor

NUTR 711 Nutrition across the Lifecycle, Summer 2022, 3 credits, 29 students-lead instructor

NUTR 711 Nutrition across the Lifecycle, Spring 2022, 3 credits, 26 students-lead instructor

NUTR 711 Nutrition across the Lifecycle, Fall 2020, 3 credits, 17 students

NUTR 611 Nutrition across the Lifecycle, Summer 2020, 3 credits, 16 students

NUTR 611 Nutrition across the Lifecycle, Spring 2020, 3 credits, 9 students

NUTR 992 MPH Culminating Experience, Spring 2024, 3 credits, 15 students-lead instructor

SPHG 992 MPH Culminating Experience, Fall 2021, 3 credits, 13 students

SPHG 992 MPH Culminating Experience, Spring 2021, 3 credits, 18 students

PUBH 992 Master's Non-thesis, Summer 2020, 3 credits, 13 students

SPHG 703 MPH Pre-Practicum Assignments, 13 students

SPHG 707 MPH Post-Practicum Assignments

GEORGE WASHINGTON UNIVERSITY, WASHINGTON DC

**Master of Public Health**

PUBH 6612 Food Systems and Public Health (online)

UNIVERSITY OF MARYLAND GLOBAL CAMPUS, MD

**Undergraduate Program**

NUTR 100 Elements of Nutrition (online and residential)

BIOL 102 Laboratory in Biology (online)

**THESIS ADVISOR**

UNIVERSITY OF NORTH CAROLINA, GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH, Chapel Hill, NC

**Master of Public Health, Nutrition-Registered Dietitian Program**

*E. Hancock. Adult overweight and obesity: A mixed-method Exploratory Analysis of Trends in Pickens County, Georgia, 2021*

*S. DeSantis. Community Gardens: A Tool for Health Promotion, 2020*

*R. Griffin. The Impacts of Social Media Use on Disordered Eating Behaviors in College-Aged Women: Current Evidence and Practical Interventions, 2020*

*A. White. Improving Nutrition Issues in a 15-month-old Female with Spina Bifida Myelomeningocele: A Case Study, 2021*

*S. Fairey: A Case Study of a Female Cross Country Runner with Disordered Eating, 2019*

*J. Parent: Food Insecurity in Patients with HIV: Recommendations for CrescentCare in New Orleans, 2019*

**Bachelor of Science in Public Health, Nutrition (Senior Honors Thesis)**

*M. McDonald. Effect of Iron Deficiency on Infant Neurodevelopmental Outcomes: Advisor, 2023*

*Y. Wehbi. The Relationship Between Undergraduate Hybrid Identities, Eating Behaviors, and Well-being After Moving to a New Environment: Second Reader, 2023*

*R. Sideek. Perceived Organizational/Institutional Barriers to Breastfeeding in Appalachia among Lactation Consultants, Counselors and Providers: Second Reader, 2020*

**CAPSTONE PROJECT ADVISOR**

THE UNIVERSITY OF NORTH CAROLINA, GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH, Chapel Hill, NC

*Landau, Emma; Edwards, Averyl; Sun, Chang; Merhige, Robert; Cox, Callia: Ed-a-bull Durham: two strategies to support economic stability by strengthening early childhood education in Durham County. 2023*

*Siira, Rick; Manasseh, Rachael; Kwok, Iris; Amberg, Jessica; Darr, Hannah: Improving Health Outcomes of Children with Incarcerated Parents in Durham County, NC through Bail Reform and After-School Nutrition Programs. 2023*

*Hull, Aaron; Fravel, John; Samuel-Jakubos, Haley; Trudo, Tyler; Mcleod, Joy: Advancing Economic Stability Among Single-Parent Latinx Households In Durham County, NC Through Nutrition Education Programs And Down Payment Assistance Programs. 2023*

*Bernard, Kala; Sen, Anabeel; McClendon, JeMya; Hohl, Marilyn: Read and feed in Durham County: increasing health literacy of elementary public-school students of low socioeconomic status. 2023*

*Mazloum, Mona; Yeh, Tiffany; Rogus, Charlotte; Tamayo, Milicen; Conery, Karlyn: Addressing adverse childhood experiences among Latino youth in Durham County, NC, using a trauma-informed financial empowerment program and attachment behavioral catch-up program. 2023*

*Jin, Ying; Peng, Jing; Reynolds, Emma; Bierly, Cheyanne; Lohmann, Maria: Using hands-on nutrition education to improve reading proficiency among students in Durham public schools, NC. 2023*

*Wilgenburg, Anna; Berube, Rebecca; Luthra, Veda; Lercher, Daniel; Hammouda, Rana: Increasing health literacy and academic performance among Hispanic and Latino students in Durham County public schools through school meals. 2023*

*Kraus, Meredith; Rothstein, Sarah; Moreno, Sara; Noe, Violet; Pancholi, Thayjus. The Complete Streets Solution to Address Walking and Biking Infrastructure Challenges to Increase Food Access and Public Safety in Durham County NC. 2023*

*Berube, Rebecca; Hammouda, Rana; Luthra, Veda; Lercher, Daniel; Wilgenburg, Anna. Increasing health literacy and academic performance among Hispanic and Latino students in Durham County public schools through school meals. 2023*

*Moore, Valerie; Druebbisch, Ellen; Smith, Dillon; Holt, Abigail; McCaffity, Margaret. Improving academic outcomes for Hispanic/Latino elementary students through nutrition education and reading comprehension initiatives in Durham public schools in Durham, North Carolina. 2023*

*Proehl, Emily; Wolf, Kathryn; Cremin, Margaret; Norka, Jennifer; Timms, Lauren. Addressing food insecurity among formerly incarcerated individuals in Durham County, NC through food vouchers, nutrition education, and cash assistance programs. 2023*

*Sprinkles, Jessica; Hamann, Alexandra; Khaffagi, Rasha; Duerre, Rebecca. Addressing access to healthy food among mothers, pregnant women, infants and children under 5 in Cleveland County, North Carolina through a WIC-authorized mobile market. 2023*

*Cline, Holli; Staehler, Tamara; Dutt, Krishna. Addressing the Economic Instability Among Food Insecure Elementary Age Children in Cleveland County, NC by Increasing Access to Healthy Meals. 2022*

*Roundhill, Charlee; Perales, Sydney; Le, Amanda; Samuelson, Ashley. Reducing child poverty amongst children 0 to 5 years of age through economic and nutritional stability in Cleveland County, North Carolina. 2022*

*Kadro, Zachary; Bonavire, Kaila; Adeniran, Oluwamuyiwa; Knudstrup, Camille. Unconditional cash transfers as a strategy for improving housing affordability in Cleveland County, North Carolina. 2022*

*Redd, Olivia; Klein, Samantha; Ly, Christopher; Warechowski, Kayla; Falls, Lucy. Enhancing Protective Factors Among Children and Adolescents in Cleveland County, North Carolina. 2022*



*Kuhn, Jessica; Li, Ruihan; Hartwell, Mary; Udonsi, Esther; Herter, Gabriella. Policy and programmatic opportunities to improve access to nutritious foods among children in Cleveland County. 2022*

*Wikoff, Tyler; Hamlett, Trevor; Hammes, Noah; Wahl, Talia; Peyton, Taylor. Leveraging Farmers Market Partnerships to Improve Food Security of Children and Families of Rural North Carolina. 2022*

*Tucker, Anna Claire; Hutchinson, Serena; Funsten, Jen; Horneffer, Kathryn. Breastfeeding support and home environment interventions to prevent asthma attacks among marginalized populations in Cleveland County, North Carolina. 2022*

*Ly, Christopher; Redd, Olivia; Klein, Samantha; Warechowski, Kayla; Falls, Lucy. Enhancing Protective Factors Among Children and Adolescents in Cleveland County, North Carolina. 2022*

*Bissig-Choisat, Beatrice; Ogbansiegbe, Joseph; Prass, Alexa; Wyatt, Cutter. Community-based interventions to increase economic stability and food security among single, female-headed households in Cleveland County, North Carolina. 2022*

*Headley, Ivonne; Allison, Marcellos; Reilly, Jaycee; Jiang, Ji-Rong; Craig, Christine. Expanding food security through the breakfast in the classroom program in a rural North Carolina County public school system. 2022*

*Miller, Rachel; Zelson, Leah; Ostberg, Alex; Warstler, Lee. Addressing root causes of preventable mental health issues in a rural county through school and community-based programs. 2022*

*Craig, Christine; Reilly, Jaycee; Allison, Marcellos; Ji-rong, Jiang. Expanding food security through the breakfast in the classroom program in a rural North Carolina County public school system. 2022*

*Davis, Jessica; Lane, McKenzie; Floyd, Junelyn. healthy Cleveland County store initiative: addressing food insecurity in female-led, single-parent households in Cleveland County, North Carolina. 2022*

*Ragan, Kim; Johnson, Sarah; Fitterer, Amanda; Feld, Anna. Breakfast After the Bell: A Nutrition-Based Solution to Improving Education Access & Quality in Cleveland County Schools. 2022*

*Tuluenga, Sarah; Tanwar, Aparna; Anderson, Kinsey; Chiang, Irene. Addressing child food insecurity in Cleveland County, North Carolina through zoning ordinances. 2022*

*DeMarco, Megan; Bauer, Eva; Johansen, Laura; Miller, Randall. Using an accountable care community model to address poverty and improve population health outcomes in Cumberland County, North Carolina. 2021*

*Chiong, Cloie June; Markert, Kellie; Kim, Isaiah; Krzastek, Donna; Griffin, Alexandria. Project knowledge is power (kip): creation of an accountable care community in Cumberland County to improve mental health status by increasing college enrollment. 2021*

*Lee, Grace; Reardon, Laura; Thompson, Tierra; Eisenmann, Veronica. Health, opportunity, prosperity project (hopp): an accountable care community addressing economic stability in Cumberland County, NC. 2021*

*Zaki, Youstina; Obel, Linden; Swilley, Dana; Osaе, Leah. Implementing a family resource navigator program to reduce adverse childhood experiences (aces) in Cumberland County, NC. 2021*

*Cheung, Hannah; Heslin, Laura; Chellani, Shane; Peart, Mishka. addressing community health through upstream determinants: increasing child resilience by transforming the social and community context in Cumberland County, North Carolina. 2021*

*Sutton, Kenneth; Reid, Khadijia Tribié; Babb, Joshua M. Increasing economic stability in Fayetteville, NC, through the creation of an accountable care community to improve the health of Cumberland County residents. 2020*

*Boland, Sarah; Nazario, Jenna; Beaulieu, Allison; Dugom, Laura. Improving Robeson County Public School Curriculum to Create Educational and Health Equity Among Lumbee Tribe: A Pilot Program to Reform Policy. 2020*

## **LECTURES/PRESENTATIONS**

Guest Lecturer. Food Safety and Culinary Medicine (2023). University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC

Guest Lecturer. Disability, ADA, and Access to Nutrition Programs (2021). University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC

Guest Lecturer. My Plate and Portions (2021). Arc Triangle University

Guest Lecturer. My Plate and Portions. (2020). Arc Triangle University

Guest Lecturer. Wellness Wednesday (2020). Special Olympics North Carolina

Guest Lecturer. Culinary Medicine (2020). University of North Carolina School of Medicine, Chapel Hill, NC

Guest Lecturer, ADA and Disability (2019). The University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC

## **CONFERENCE PRESENTATIONS**

NCRC Catalyst Symposium (2019).

*Poster-Quality of Life in At-risk School-Aged Children with Asthma*

Sarasota Memorial Health Care System Inter-professional Research Day (2023).

*Poster- Improving hospital screening for malnutrition: a quality improvement project.*

S. Agrawal