

POSTER SESSION | 2:00 – 3:30

Students should have their posters set up by 11:00 AM. The poster session will be in adjoining rooms and one of the rooms will be in use for oral presentations from 11:15 am – 12:45 pm. The room will not be accessible during that period.

1.

ARIEL FIREBAUGH: ROANOKE COLLEGE
***PIERIS RAPAE* (LEPIDOPTERA: PIERIDAE) PERFORMANCE IN RESPONSE TO AN EXOTIC HOST PLANT, *ALLIARIA PETIOLATA* (BRASSICACEAE)**

2.

BRYAN T PIATKOWSKI: ROANOKE COLLEGE
CO-AUTHORS: BADER, GEOFFREY; POLI, DOROTHYBELLE
STUDYING THE EVOLUTION OF UPTAKE AND EFFLUX OF AUXIN IN LAND PLANT GAMETOPHYTES

3.

BENJAMIN M. BROWN: HAMPDEN-SYDNEY COLLEGE
THE ANTIMICROBIAL AND ANTIOXIDANT ACTIVITY OF PALO SANTO ESSENTIAL OIL

4.

TARENNE UNDERWOOD: ROANOKE COLLEGE
CO-AUTHOR: CHRISTOPHER LASSITER
EFFECTS OF AN AROMATASE INHIBITOR ON HEART SIZE IN EMBRYONIC ZEBRAFISH (*DANIO RERIO*) USING CARDIAC MYOSIN LIGHT CHAIN-2 (CMLC2)

5.

SYDNEY WEBB: ROANOKE COLLEGE
CHARACTERIZATION OF THE EN/SPM FAMILY OF CLASS II TRANSPOSONS WITHIN *COPRINUS CINEREUS*

6.

OSRIC FORREST: HAMPDEN-SYDNEY COLLEGE
THE EFFECT OF THE PRESENCE OF MUCUS ON THE GILLS OF FRESHWATER FISH IN AQUATIC RESPIRATION

7.

PAIGE MILLER: UNIVERSITY OF RICHMOND
CO-AUTHOR: W. JOHN HAYDEN
ANTHER STRUCTURE IN THE TOMATILLO, *PHYSALIS PHILADELPHICA* (SOLANACEAE)

8.

HELEN WOLFE: LYNCHBURG COLLEGE
EFFECTS OF AGE AND TIME OF DAY ON THE DISTRIBUTION OF AN ORB-WEAVING SPIDER ON AN ANT-DEFENDED ACACIA

9.

MELAINA MACONE: SWEET BRIAR COLLEGE
CO-AUTHORS: SASKYA VAN NOUHUYS & RAUL F. MEDINA
GEOGRAPHIC POPULATION STRUCTURE OF THE SPECIALIST PARASITOID *HYPOSOTER HORTICOLA* AND ITS HYPERPARASITOID *MESOCHORUS SP. CF. STIGMATICUS* IN THE ÅLAND ISLANDS, FINLAND

10.

JOSH S. HORAN: FERRUM COLLEGE
CO-AUTHORS: HANNA MARTIN & NATALIA SMELKOVA
CHEMISTRY AND HEALTH OF A MINI-ECOSYSTEM

11.

KEVIN CARLSON: ROANOKE COLLEGE

INVESTIGATING THE ROLE OF TYROSINE AT POSITION 123 IN THE ENZYME 5,10-METHENYLTETRAHYDROFOLATE SYNTHETASE

12.

KELSEY A. SLOAN: ROANOKE COLLEGE

CO-AUTHOR: DR. JACK STEEHLER

ANALYSIS OF PERFLUORINATED ORGANIC COMPOUNDS (PFOC'S)

13.

ROSHA POU DYAL: RANDOLPH COLLEGE

CO-AUTHORS: POOJAN PYAKUREL & DR. KURT SEIDMAN

A THEORETICAL INVESTIGATION OF CARCINOGENICITY OF POLYCYCLIC AROMATIC HYDROCARBONS (PAH) AND THE EFFECT OF METHYLATION: ONE-ELECTRON OXIDATION MECHANISM.

14.

LAURA HANOLD: SWEET BRIAR COLLEGE

CO-AUTHORS: SARAH MCLEMORE, JESSICA UNGERMANN, MEGAN COMBS, JESSICA SOLER

THE SYNTHESIS AND PHOTOCHEMISTRY OF 3(2H)-FURANONES

15.

ROBBIE KARIM: ROANOKE COLLEGE

COAUTHORS: DR. VERNON MILLER

SYNTHESIS OF BORON CATIONS FROM TRIMETHYLAMINEBORANE AND AROMATIC AMINES

16.

JARED BRANIN: ROANOKE COLLEGE

INVESTIGATIONS INTO THE ROLE OF THE ASPARTATE AT POSITION 124 IN THE ACTIVE SITE OF 5,10-METHENYLTETRAHYDROFOLATE SYNTHETASE

17.

ANEESH GOEL & LEONID B. RESHKO: VIRGINIA COMMONWEALTH UNIVERSITY

CO-AUTHORS: FREDERICK HAN MD[†], MELISSA LAU BA[§], MARK WOOD MD[†]

**[†]VCU MEDICAL CENTER DIVISION OF CARDIOLOGY, [§]VCU SCHOOL OF MEDICINE, RICHMOND, VA
LETHAL MYOCARDIAL ISOTHERM TEMPERATURE DURING RADIOFREQUENCY CATHETER ABLATION**

18.

HANNA M. MARTIN: FERRUM COLLEGE

CO-AUTHORS: JOSH HORAN & NATALIA SMELKOVA

PCR AND MDA(MULTIPLE DISPLACEMENT AMPLIFICATION) AS TWO LEADING METHODS OF DNA AMPLIFICATION

19.

ASHLEY ELIZABETH SMITH: CHRISTOPHER NEWPORT UNIVERSITY

CO-AUTHORS: JOSEPH BECKER, CASEY BEATLEY, MORGAN COTE-COBLE, CHRISTY PHILYAW, ROB MICHEL, KATRINA HALLWERCK, AND ANDREW VELKEY

SEX DIFFERENCES IN IMPULSIVE RESPONDING BY SIAMESE FIGHTING FISH (*BETTA SPLENDENS*)

20.

LAURA BERG: MARY BALDWIN COLLEGE

THE EFFECTS OF PRENATAL EXPOSURE TO SALVINORIN A ON ADULT ANXIETY AND AGGRESSION IN SWISS MICE

21.

SHI HUA: RANDOLPH COLLEGE

CO-AUTHORS: DENNIS GOFF, JILLIAN BARLOWE

FINGER DIGIT RATIO AS A PREDICTOR OF MENTAL ROTATION ABILITY AND TOY PREFERENCE AMONG ADULTS

22.

JANNEDRA' WILLIAMS: CHRISTOPHER NEWPORT UNIVERSITY

CREATIVITY AND COGNITIVE FLEXIBILITY

23.
RANDY ROSENBERG: CHRISTOPHER NEWPORT UNIVERSITY
PERSON-ENVIRONMENT FIT STRESS MODEL AS RELEVANT TO TODAY'S AMERICAN UNEMPLOYED WORKER: WHO WILL DO OR DIE IN THE MIDST OF GLOBAL ECONOMY
24.
JENNIFER GAMBLE, BEN ROSEBERRY, STEPHANIE KOFRON, SARAH WHITE, ANDREW HARTZLER, AND ANGELA TOSCANO: CHRISTOPHER NEWPORT UNIVERSITY
AN EXAMINATION OF RELIGION, SPIRITUALITY, EMOTIONS, AND COPING
25.
LINSEY QUARLES: CHRISTOPHER NEWPORT UNIVERSITY
THE PSYCHOLOGY OF COMPASSION FATIGUE
26.
DANIELLE JAGODA & CRISTINA VALDIVIESO: LONGWOOD UNIVERSITY
HOW ATTRACTIVE ARE YOU? INDIVIDUALS SENSITIVITY TO NUMBER OF SEXUAL PARTNERS
27.
PETER GHAMARIAN: VIRGINIA COMMONWEALTH UNIVERSITY
SEX EDUCATION IN IRAN
28.
YASMIN QASEEM: VIRGINIA COMMONWEALTH UNIVERSITY
BODY IMAGE AND SATISFACTION: A CULTURAL PARADOX - THE EFFECTS OF CULTURAL BACKGROUND ON BODY IMAGE EXPECTATIONS IN WOMEN
29.
WHITNEY KAILOS: CHRISTOPHER NEWPORT UNIVERSITY
CO-AUTHOR: JULIA Q. BANCROFT
THE EFFECTS OF NUTRITIONAL KNOWLEDGE AND FOOD PERCEPTION ON COLLEGE-AGE WOMEN'S' BODY IMAGE
30.
KRISTIN A. VDORICK: CHRISTOPHER NEWPORT UNIVERSITY
CO-AUTHORS: JACQUELINE MCCORMICK, JILLIAN CRAMPTON
INVESTIGATING THE EFFECTIVENESS AND CONSTRAINTS OF VISUAL AND AUDITORY EXAMPLES ON CREATIVITY AND PROBLEM SOLVING
31.
DANIEL R. MITTEER: CHRISTOPHER NEWPORT UNIVERSITY
THE ABRUPT DESTRUCTION OF VALUES: REDISCOVERING A PHENOMENON
32.
RUTH YEH: CHRISTOPHER NEWPORT UNIVERSITY
THE FIVE FACTOR MODEL OF PERSONALITY: A LITERATURE REVIEW
33.
AMANDA POWEL: CHRISTOPHER NEWPORT UNIVERSITY
HOARDING: A LITERATURE REVIEW
34.
STEPHANIE ARDINGER: CHRISTOPHER NEWPORT UNIVERSITY
CO-AUTHOR: EMMA MEHRABI
COLOR-SHAPE CONGRUITY AND INTERHEMISPHERIC INTERACTION
35.
IAN MUSE: CHRISTOPHER NEWPORT UNIVERSITY

THE EFFECTS OF CONTEXT ON PEOPLE'S RELIGIOSITY: A MOTIVATIONAL APPROACH TO SEEKING THE ONE

36.

RALUCA ELENA BRAND: CHRISTOPHER NEWPORT UNIVERSITY

CO-AUTHOR: MELISSA MARAZZI

THE EFFECT OF CONGRUENT AND INCONGRUENT IMAGES ON BELIEVABILITY AND RECOGNITION OF NEWS HEADLINES

37.

MARYANNE HASLOW-HALL: SWEET BRIAR COLLEGE

DEVELOPING A LOW COST AND EASILY MANUFACTURED PROSTHETIC HAND

38.

JOCK PFLUG: WASHINGTON AND LEE UNIVERSITY

COAUTHOR: STEPHEN J. KALISTA, JR. & RUSSELL J. VARLEY

FACTORS THAT AFFECT SELF-HEALING IN POLY(ETHYLENE-CO-METHACRYLIC ACID) COPOLYMERS AND IONOMERS

39.

AMOS SHENK: ROANOKE COLLEGE

KINEMATICS, PHYSIOLOGICAL LOAD, AND PERCEIVED EXERTION WHILE WALKING WITH AND WITHOUT HIKING POLES

40.

NANCY DREW: SWEET BRIAR COLLEGE

CO-AUTHORS: SERI LINK, HENNING MORTVEIT, AND MELISSA WASILEWSKI

NETWORK MODELS FOR INFLUENZA SPREAD AND INTERVENTIONS IN SCHOOLS

41.

JONATHAN R. HORNE: VIRGINIA MILITARY INSTITUTE

CO-AUTHOR: BRYANT YOUNGBLOOD

MATHEMATICAL MODEL OF THE YELLOW FEVER VIRUS

42.

MATHEW POTTS: ROANOKE COLLEGE

CO-AUTHOR: MATTHEW C. FLEENOR

ORIGINS OF A GALAXY GROUP IN ABELL CLUSTER 3128

43.

PAUL VINES: ROANOKE COLLEGE

CO-AUTHOR: DR. BALASUBRAMANIAN

Y-JUNCTIONS IN CARBON NANOTUBES

44.

MARJA COPELAND: RANDOLPH COLLEGE

CO AUTHORS: TATIANA GILSTRAP, PEGGY SCHIMMOELLER, PETER SHELDON

HANDS-ON INQUIRY SCIENCE FOR IMPROVING TEACHER QUALITY AND STUDENT ACHIEVEMENT

45.

TIFFANY NIOUS: LYNCHBURG COLLEGE

THE EFFECTS OF THE SPACE RACE ON MUSIC EDUCATION

46.

DASHAWN WHITE: CHRISTOPHER NEWPORT UNIVERSITY

CO-AUTHOR: RUTH YEH

THE EFFECTS OF DANCE MOVEMENT THERAPY ON CHILDREN WITH AGGRESSIVE BEHAVIORS

47.

MAGGIE MAE NASE: SWEET BRIAR COLLEGE

THE DAISY PROJECT: TURNING SPECULATIVE FACT INTO A SCHOLARLY BIOGRAPHY

48.

**AMY NICHOLS: RADFORD UNIVERSITY
MONSTROUS RACES AND ALTERITY IN MEDIEVAL MAPS**

49.

**SARAH STRAPP: SWEET BRIAR COLLEGE
SCRIPTORIUM: THE MAKINGS OF AN APPRENTICE**