

**Platform Presentations  
Selected for Recognition  
by the Eastern Colleges Science Conference**

**PHYSICAL, CHEMICAL, MATHEMATICAL, COMPUTER, ELECTRICAL,  
AND NANOTECHNICAL SCIENCES**

ABSORPTION – A PHYSICAL INTERPRETATION

Buffington, K.\* , and Raths, O.

Physics Department, Wagner College, Staten Island, NY 10301

INVESTIGATING SCALING IN BROWNIAN MOTION

Corn, B.\* , and Raths, O.

Department of Physics, Wagner College, Staten Island, NY, 10301

STRUCTURAL ANALYSIS OF SPUNLACED AND MELTBLOWN NONWOVENS USING  
DIGITAL IMAGE PROCESSING

Balasubramanian, K.\*

School of Engineering and Textiles, Philadelphia University, Philadelphia, PA 19144

**PSYCHOLOGY AND SOCIOLOGY**

APOSEMATIC COLORATION IN SNAKES AND ITS EFFECT ON HUMANS

Keller, M.\* , and Berthold, H.

Psychology Department, Lycoming College, Williamsport, Pa. 17701

**REGULATING MOLECULES IN CELLS**

AKT1 SUPPRESSES RADIATION- INDUCED GERM CELL APOPTOSIS IN VIVO

DiPalma, K.\*<sup>1</sup>, Rasoulpour, T. <sup>2</sup>, Kolvek, B. <sup>2</sup>, and Hixon, M.<sup>2</sup>

<sup>1</sup>Providence College, Providence, RI 02918

<sup>2</sup>The Laboratories of Molecular Medicine, Department of Pathology and Laboratory Medicine  
Brown University, Providence, RI 02912

**ECOLOGICAL PROCESSES**

MECHANICAL STRESSES OF PRIMARY BRANCHES:A SURVEY OF 40 WOODY TREE  
AND SHRUB SPECIES

Torres, J.\* , and Evans, L.

Laboratory of Plant Morphogenesis, Biological Sciences Research Laboratories, Manhattan  
College, Riverdale, NY 10471

**INHERITANCE**

GENETICALLY MAPPING THE *FRIZZY* MUTATION ON MOUSE CHROMOSOME 7.

Soucy, F.\* , Paul, E., Badal, R., Magnan, D., Thompson, D., Bajrami, B. Valtin, E. and King, T.R.  
Biomolecular Sciences, Central Connecticut State University, New Britain, CT 06053

## CELL FUNCTION

PROMOTION OF APOPTOSIS USING SMALL MOLECULES AS INHIBITORS OF BCL-X<sub>L</sub>  
Ambrosini, L. M.\* and Pike, J. D.

Department of Chemistry and Biochemistry, Providence College, Providence, RI 02918

## ORGANISM FUNCTION – EXTERNAL INFLUENCES

STRAIN SPECIFICITY AND A POSSIBLE TARGET OF ALCOHOL ACTIONS IN AN  
ANIMAL MODEL OF EARLY ONSET ALCOHOL DEPENDENCY.

McLaughlin, J.\*, Pereira, A., Feldman, R. and Rhoads, D.

Biology Department, Monmouth University, W. Long Branch, NJ 07764

## ORGANISMS

METAL INTERACTIONS WITH SLUG GLUE PROTEINS

Werneke, S.\* and Smith, A.

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