

TENNESSEE ACADEMY OF SCIENCE NEW MEMBERS 1991

Mathew K. Augustine	Athens	Syed A. Hossain	Murfreesboro	Maureen S.A. Parker	Clarksville
Sandra D. Bivens	Nashville	Suzanne M. Houde	Clarksville	Michael R. Pinter	Nashville
Christine S. Blamy	Murfreesboro	Daniel E. Huffine	Jonesboro	Chris J. Repsher	Clarksville
Jerry L. Boyd	Clarksville	King Jamison	Murfreesboro	Leopoldo M. Rueda	Nashville
Edward W. Burke, Jr.	Bristol	Tim F. Jensen	Springfield	Peggy W. Shute	Norris
Carol R. Clifton	Smyrna	K.E. Jones	Clarksville	Timothy S. Smith	Cleveland
Tom M. Clinard	Nashville	James M. Joyner	Clarksville	Patricia Stinger	Clarksville
David J. Cochener	Clarksville	Tammy Keim	Nashville	Karen Stone	Memphis
Amy M. Coffey	Maynardville	Vatsala Krishnamani	Murfreesboro	Charles R. Thomas	Martin
Patrick L. Collins	Clarksville	David Devraj Kumar	Columbus, OH	Larry J. Tillman	Chattanooga
Cynthia R. Coron	Johnson City	Jae Seung Lee	Murfreesboro	Robert E. Todd, Jr.	Sonora, KY
Robert L. Crawford	Hixson	Terrence A. Lee	Murfreesboro	Nabil W. Wakid	Murfreesboro
Bradley L. Cross	Cookeville	Frosty Levy	Johnson City	Cebert L. Walker	Kingston Spring
William Cumming	Nashville	Pin-Shuo Liu	Memphis	Dennis P. Walsh	Murfreesboro
Paul V. Cupp, Jr.	Richmond, KY	Ted S. Lundy	Cookeville	Ling Jun Wang	Chattanooga
James Dorman	Memphis	Robert S. McDow	Nashville	Martha R. Weller	Murfreesboro
William M. Ford	Athens, GA	Les Meade	Morehead, KY	Marsha R. Williams	Nashville
Monirul Haque	Cookeville	Merle A. Miller	Nashville	R.L. Pete Wyatt	Unicoi
James B. Hart	Murfreesboro	Dennis E. Mulder	Cookeville	Gene A. Zirkle	Clarksville
Jonathan F. Henry	Chattanooga	Marlyn C. Newhouse	Murfreesboro		
B. James Hood	Murfreesboro	John Olsen	Memphis		

**TENNESSEE ACADEMY OF SCIENCE
OUTSTANDING SCIENCE TEACHERS AWARD**

1991 Outstanding Science Teachers

East Tennessee

MARILYN HAWK
Greeneville High School
Greeneville, Tennessee

Middle Tennessee

RON BINGHAM
Coffee Co. Central High School
Manchester, Tennessee

West Tennessee

DONNA R. FREEMAN
East High School
Memphis, Tennessee

**TENNESSEE ACADEMY OF SCIENCE
1991 JUNIOR ACADEMY AWARDS**

From a total of 68 papers presented at the 1991 Junior Academy meetings, the following two papers were chosen as especially outstanding.

Top male presenter and overall winning paper:

ZEMER GITAI
Grade 10, White Station High School, Memphis
"Antifreeze glycopeptides in *Ictalurus punctatus* (catfish)"

Top female presenter:

CHESLEIGH J. MURRAY
Grade 11, Tullahoma High School
"The influence of atmospheric negative ions on plant metabolism"