

V. RAMAMURTHY

Address: Department of Chemistry
University of Miami
1301 Memorial Drive
Miami, FL 33124-0431

Tel: 305 284 1534
email: murthy1@miami.edu

Academic Training

Undergraduate and Graduate Training:

B. Sc., Chemistry, University of Madras, India 1966.

M. Sc., Chemistry, Indian Institute of Technology, Madras, India, 1968.

Ph. D., Chemistry, University of Hawaii, Honolulu, U.S.A., 1974, (R.S.H. Liu)

Postdoctoral Fellow:

University of Western Ontario, London, Canada, 1974-75, (P. de Mayo).

Columbia University, New York, U.S.A., 1975-78, (N. J. Turro).

Professional Appointments

Assistant Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore, India, 1978-83.

Associate Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore, India, 1983-88.

Senior Research Scientist, Central Research and Development, Experimental Station, The du Pont Company, Wilmington, DE 19880-0328, 1987-1994.

Bernard-Baus Professor of Chemistry, Tulane University, New Orleans, LA. July 1994 – Dec 2004

Professor of Chemistry, University of Miami, Coral Gables, Jan 2005 – present.

Administrative Appointments

Chair of Chemistry, Tulane University, New Orleans, LA. July 2003 – December 2004

Chair of Chemistry, University of Miami, Coral Gables, Jan 2005 – Sep 2013.

Visiting Appointments

Visiting Professor, Tokyo Metropolitan University, Tokyo, Japan, (2 months) 2000

ICOS Visiting Professor, Indian Institute of Science, Bangalore, (2 months), 2002

Institute Alumni Visiting Professor, Indian Institute of Technology, Madras, (2 months), 2002

Global Education and Research Center Visiting Professor, Osaka University, Osaka, Japan, January 2012

Institute Visiting Professor, Indian Institute of Science, Bangalore, India, August 2012

Taiwan Chemistry Research Promotion Center Visiting Professor, National Chiao Tung University Hsinchu, Taiwan, December 2012

Visiting Professor, Department of Chemical and Biological Engineering, University of New Mexico, Albuquerque, NM, USA, June and July, 2014

JSPS Invitational Fellow, Department of Applied Chemistry, Tokyo Metropolitan University, Tokyo, September and October 2014
Fulbright-Nehru Distinguished Chair, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, India, December 2014-April 2015.
Visiting Professor, Chinese Academy of Sciences, Beijing, China, June and July 2016.
GIAN Guest Professor, National Institute of Technology, Trichy, India, Dec 15, 2016-Jan 15, 2017
Visiting Professor, Chinese Academy of Sciences, Beijing, China, June, 2018
Visiting Professor (two weeks each visit), University Immersion Program- Sichuan University, Chengdu, China, June-July 2017, 2018, 2019, 2022 and 2023
Visiting Professor, Graduate School Summer Program, (two weeks), Shanxi Normal University, Xian, China, June 2019 and 2020
Visiting Professor, Sichuan University Graduate School, Chemistry department, lectures to graduate students on photochemistry-2022-23

Society Memberships

Member of the American Chemical Society
Member of the Inter-American Photochemical Society

Recognitions

Indian National Academy of Sciences Golden Jubilee Research Fellow 1985-1987
Fellow of the Indian Academy of Sciences, elected in 1986
Grammatikakas–Neuman Prize of the European Photochemical Society, 1991
Tulane University LAS Faculty Research Award, 2001.
Fulbright Fellowship, 2002-2003.
NSF Special Creativity Award 2005-2008.
Cooper Fellow, University of Miami, 2009-2012
Inter-American Photochemical Society Award, 2009
Distinguished Alumnus Award, Indian Institute of Technology, Madras, 2010
Chemical Research Society of India (CRSI) Medal, 2011
University of Miami Provost Award for Scholarly Activity, 2011
Fellow of the American Chemical Society, elected in 2011
Elsevier Lectureship Award (Japan Photochemical Association), 2014
Japan Society for Promotion of Science (JSPS) Invitation Fellow, 2014
Fulbright-Nehru Distinguished Chair, 2014-15
Hall Lecturer, Bowling Green State University, Bowling Green, 2019
George S. Hammond Award, Inter-American Photochemical Society, 2023
Fulbright-Masaryk Distinguished Chair, 2024

Invited Talks Presented at National and International Conferences

Symposium on "Organic Phototransformations in Non-homogeneous Media, ACS National Meeting, Philadelphia, 1984.
XII International Conference on Photochemistry, Tokyo, Japan, 1985.

Tables Ronde Roussel Uclaf on "Organic Reactions in Organized Media", Paris, France, 1986
Vth International Symposium on Inclusion Phenomena and Molecular Recognition, Orange Beach, 1988.
IInd Winter Conference of the Inter American Photochemical Society, Clearwater beach, 1989.
Gordon Conference on Organic Photochemistry, Andover, 1989.
VIIth Great Lakes Symposium on Photochemistry, London, Canada. 1990.
Gordon Conference on Radical Ions, Wolfboro, 1990.
18th Annual Meeting of the American Society for Photobiology, Vancouver, Canada, 1990.
Mid-Atlantic Regional Meeting of the ACS, Newark, 1991.
10th International Conference on the Chemistry of the Organic Solid State, Vancouver, Canada, 1991.
IIIrd National Organic Symposium, Bhubaneswar, India, 1992.
National Photochemistry Conference, Trivandrum, 1992.
9th International Zeolite Conference, Montreal, Canada, 1992.
11th International Conference on the Chemistry of the Organic Solid State, Jerusalem, Israel, 1993.
10th International Conference on Photochemical Conversion and Storage of Solar Energy, Interlaken, Switzerland, 1994.
U.S.-Japanese Binational Workshop on "Future Prospects of Solar Energy Conversion", January, 1995, Honolulu.
Symposium on "Organic Photochemistry, ACS National Meeting, Chicago, 1995.
International Chemical Congress of Pacific Basin Societies—PACIFICHEM 95, Honolulu, 1995.
7th Annual Symposium of the Center for Photoinduced Charge Transfer, University of Rochester, 1996.
US-Japan Workshop on Photoresponsive Materials, Catalina Islands, 1996.
International Workshop on Cluster Chemistry, Tsukuba, Japan, 1997.
Florida ACS Symposium on Photochemistry, Orlando, 1997.
80th Canadian Society for Chemistry Conference, Symposium on Supramolecular Chemistry, Winsor, 1997.
International Conference on Chemistry and Physics of Matrices, Austria, 1997.
Gordon Conference on the Chemistry of Supramolecular Assemblies, 1997.
International Conference on the Reaction of Crystalline State, Matsuyama, Japan, 1997.
Workshop on Recent Trends in Photochemical Sciences, Trivandrum, India, 1998.
12th International Zeolite Conference, Baltimore, 1998.
22nd Solar Photochemistry Research Conference, Chantilly, 1998.
US-Japan Workshop on Organic Solid State, Lake Arrowhead, 1998.
Gordon Research Conference on Zeolites and Layered Materials, Plymouth, 1999.
Gordon Research Conference on Organic Photochemistry, Connecticut, 1999.
2nd Asian Photochemistry Conference, Seoul, 1999.
ELAFOT-6, (Latin-American Photochemical Association 6th Annual Conference) Teresopolis, Brazil, 1999.
Symposium on New Reactions and Processes in Organic Chemistry, ACS, El Paso, 1999
Photochemistry in the Southwest, Knoxville, 1999.
International Conference on Small Scales in Space and Time, Pune, India, 1999
US-Japan Workshop on Supramolecular Photochemistry, New Orleans, 1999
International Symposium on Zeolites and Microporous Materials, Sendai, Japan, 2000

Gordon Research Conference on Chemistry at Interfaces, Plymouth, 2000
International Conference on Reactive Intermediates and Unusual Molecules, Vienna, Austria, 2000
A Symposium on Molecular and Supramolecular Photochemistry, Pacificchem-2000, Honolulu, HI, 2000
A Symposium on Organic Photochemistry, Pacificchem-2000, Honolulu, HI, 2000
Inter-American NSF Workshop on Photochemistry in Organized Media, Cardoba, Argentina, 2001
First International Conference on Photochirogenesis, Osaka, Japan, 2001.
XXI International Conference on Photochemistry, Nara, 2003.
16th IAPS Conference on Photochemistry, Clearwater Beach, January, 2005
81st FAME Conference (Florida ACS), Orlando, May, 2005.
International Conference on Solid State Chemistry, Los Angeles, 2005
A Symposium on Supramolecular Photochemistry—PACIFICHEM-2005, Honolulu, HI, Dec, 2005
A Symposium on Geometric Photoisomerization—PACIFICHEM-2005, Honolulu, HI, Dec, 2005
IUPAC Symposium on Photochemistry, Kyoto, Japan, April, 2006.
19th Annual Canadian Symposium on Catalysis, Saskatoon, Canada, May 2006.
17th IAPS Conference on Photochemistry, Salvador, Brazil, June 2006.
A Symposium on Container Molecules, 232nd ACS Conference, San Francisco, September 2006.
Korea-Japan Joint Symposium on Frontier Photoscience, Seoul, November 2006.
83rd FAME Conference (Florida ACS), Orlando, May, 2007.
CERMACS, A symposium on 'Illuminating Molecules', Covington, KY, May 2007.
Gordon Research Conference on Photochemistry, RI, July 2007.
NSF Workshop on Cucurbit[n]uril Molecular Containers, College Park, August, 2007.
Symposium on Newer Trends in Photochemistry: In honor of N. J. Turro's 70th birthday, May 2008.
MARM-2008 conference (Mid Atlantic Regional ACS Conference), May 2008
5th Asian Photochemistry Conference, Beijing, China, November 2008.
19th Inter-American Photochemical Society Conference, Clearwater Beach, FL, January 2009.
JSPS-KOSEF Asian Science Seminar 2009, Kawasaki, March 2009
85th FAME Conference (Florida ACS), Orlando, May, 2009.
International Conference on Photochemistry (ICP-24), Toledo, Spain, July 2009
International Conference on Materials for the Millennium, MATCON 2010, January 2010
Indian Institute of Technology, Madras Alumni Day Symposium, April 2010
International Symposium on Macrocyclic and Supramolecular Chemistry, Japan, June 2010
David G. Whitten Symposium, Albuquerque, NM, August 2010
A Symposium on Supramolecular Photochemistry—PACIFICHEM-2010, Honolulu, HI, December 2010
A Symposium on Mechanistic Organic Photochemistry—PACIFICHEM-2010, Honolulu, HI, December 2010
13th Chemical Research Society of India National Symposium in Chemistry, Bhubaneswar, India, February 2011.
National Seminar on Modern Trends in Spectroscopy: Its Application in Chemistry and Biology, Kolkatha, India, February 2011.
International Conference on Photochemistry (ICP-25), Beijing, China, August 2011
5th Asian Conference on Colloid and Interface Science, Darjeeling, India, November 2013
23rd Inter-American Photochemical Society Conference, Clearwater Beach, FL, January 2014
Japanese Photochemical Association Annual Symposium, Sapporo, Japan, October 2014

13th Eurasia Conference in Chemical Sciences, IISc, Bangalore, India, December 2014
Symposium on Advances in Spectroscopy and Ultrafast Dynamics, IACS, Kolkatha, India, December 2014
2015 FAME Conference (Florida ACS), Innisbrook, May 2015
98th Canadian Chemistry Conference, June 2015
Gordon Research Conference on Photochemistry, RI, July 2015.
11th National Conference on Physical Organic Chemistry and 2015 International Symposium on Organic Chemistry Frontiers, Tsinghua University, Beijing, China, September 2015
A Symposium on Practical Application of Basic Research on Molecular Recognition—PACIFICHEM-2015, Honolulu, HI, December 2015
The First Middle-Eastern Materials Science Conference, Abu Dhabi, March, 2016
ACS 251st National Meeting 2016, James Flack Norris Award Symposium San Diego, CA, March 2016
American Society for Photobiology 2016 Annual Meeting, Tampa, FL, May 2016
21st International Symposium on Surfactants in Solution, Jinan, China, June 2016
30th Chinese Chemical Congress, Dalian, China, July 2016
SERMACS, ACS local conference, Columbia, SC, October 2016
ACS Annual meeting, Symposium honoring Prof. J. Saltiel (J. Michl Award winner), March 2018
18th Ohio Photochemical Society Meeting, Oregon, OH, June 2018
Rathore Memorial Symposium, Marquette Uni, October, 2018
Frontiers in Chemical Sciences (FICS) – 2018, IIT-Guwahati, December 2018
ACS Great Lakes Local Section Conference, Chicago, IL May 2019
Workshop on Physical Chemistry at the Adlayer, Xian, China, June 2019
Trombay Symposium on Radiation and Photochemistry, Mumbai, India, January 2020
From Interfaces to Cages: Confining Effects on Molecular Processes, WE-Heraeus Stiftung Seminar, Ruhr University, Germany, September, 2020
PACIFICHEM 2020, A Symposium on Molecular and Supramolecular Photochemistry, December 2020, Honolulu, HI.
FAME Conference (Florida ACS), Innisbrook, August 2022
41st American Society for Photobiology Biannual Meeting, Albuquerque NM, September 2022
Inter-American Photochemical Society Conference, Invited speaker, G. S. Hammond Awardee lecturer, January 2023
International Conference on Photochemistry (ICP-2023), Sapporo, Japan, July 2023
Trombay Symposium on Radiation and Photochemistry, Mumbai, India, January 2024

Invited Talks Given at Universities/National Laboratories/Chemical Industries (1988–current)

University of Hawaii
Northwestern University
University of British Columbia
Columbia University
University of Notre Dame
Purdue University
University of Western Ontario
Brock University
University of Connecticut
Worcester Polytechnic Institute
University of Rochester
McMaster University
University of Alabama
State University of New York at Binghamton
University of Southern Mississippi
Drexel University
University of Geneva
Georgetown University
University of Hyderabad
Tsukuba University
University of Duisburg
New York University
University of Basle
EPFL, Lausanne
University of Louis Pasteur
Indian Institute of Science, Bangalore
IIT, Madras
IIT, Kanpur
University of Texas at Dallas
University of New Orleans
CRD, Du Pont
Thomas J Watson Research Center,
IBM Chemical Research Division, American Cyanamid
Hoffman La Roche, Basle
Research Institute for Polymers and Textiles, Japan
Teijin Ltd., Tokyo
Oak Ridge National Laboratory, TN
University of Alabama, Tuscaloosa, AL
University of Georgia, Athens, GA
Clarkson University, Potsdam, NY
Clemson University, Clemson, SC

University of Ottawa, Ottawa, Canada
Loyola University, New Orleans, LA
Osaka Prefecture University, Osaka, Japan
Gunma College of Technology, Gunma, Japan
Tokyo Metropolitan University, Tokyo, Japan
Tsukuba University, Tsukuba, Japan
Shinshu University, Nagano, Japan
Teijin Limited, Tokyo, Japan
Georgetown University, Washington
University of Maryland, University Park, MD
Columbia University, New York
The Du Pont Company, Wilmington, DE
Georgia Institute of Technology, Atlanta.
Lonza, Switzerland
Osaka university, Osaka, Japan.
Nagoya University, Nagoya, Japan.
Tokyo Metropolitan University, Japan
Koyoto University, Koyoto, Japan.
Indian Institute of Technology, Madras
Indian Institute of Science, Bangalore
Madurai Kamaraj University, Madurai
University of Victoria, Victoria, Canada
Simon Frazer University, Vancouver, Canada
University of Iowa
Northwestern University
Indiana University-Purdue University
Osaka University, Japan
Nagoya University, Japan
Columbia University
University of Reo de Jenero, Brazil
Indian Institute of Technology, Madras, India
Tokyo Institute of Technology, Tokyo, Japan
Tokyo Metropolitan University, Tokyo, Japan
Osaka Perfecture University, Osaka, Japan
Tohuku University, Sendai, Japan
Okayama Science University, Okayama, Japan
Tsukuba Science Center, Tsukuba, Japan
Kansas State University, Manhattan, KS
University of Kansas, Lawrence, KS
University of Missouri, Columbia, MO
University of Wyoming, Laramie, WY
Colorado State University, Fort Collins

Bowling Green State University, Bowling Green, OH
Ohio State University, Columbus, OH
University of Cincinnati, Cincinnati, OH
University of Florida
Florida State University
University of Southern Mississippi
University of Nagoya
Pohang University of Science and Technology, Pohang, S. Korea
Sogang university, Seoul, S. Korea
Pusan National University, Pusan, S. Korea
Korea Advanced Institute of Science Technology, Taejon, S. Korea
Hanyang University, Seoul, S. Korea
Korea Research Institute of Chemical Technology, Taejon, S. Korea
National Chemical Laboratory, Pune
Indian Institute of Chemical Technology, Hyderabad
Central Leather Research Institute, Madras
University of Pune, Pune
University of Madras, Madras
Central University, Hyderabad
Indian Association for the Cultivation of Science, Culcutta (Professor Coochebehar Lecture)
Indian Institute of Technology, Kanpur
Indian Institute of Technology, Delhi
Indian Institute of Technology, Madras
Indian Institute of Technology, Bombay
Indian Institute of Science, Bangalore (ICOSS Visiting Professor)
University of Miami
Florida International University (Presidential Lecture)
University of New Orleans
University of New Mexico
University of Mississippi
Marquette University
University of Denver
University of Fribourg
University of Bern
University of Geneva
University of Neuchatel
University of Cologne
University of Duisburg
University of Siegen
University of Munich
University of Bielefeld

University of Florida, Gainesville, FL
Ohio State University, Columbus, OH
Southern Illinois University, Carbondale, IL
Rutgers University, Newark, NJ
University of South Carolina, SC
University of Kansas, Lawrence, KS
Discovery Seminar Series, Du Pont, Wilmington,
North Dakota State University
University of North Dakota
Indian Institute of Science, Bangalore
Indian Institute of Technology, Delhi
Indian Institute of Technology, Madras
Indian Institute of Technology, Roorkee
Sanmar Chemicals, Chennai
Shasun Chemicals, Chennai
University of North Carolina, Chapel Hill
University of Hawaii, Manoa
State University of New York, Binghamton
University of Madras, Chennai, India
M. N. Saha Memorial Lecture-2010, Indian Association for the Cultivation of Science, Kolkata, India
Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India
National Institute of Science and Technology, Trivandrum, India
Indian Institute of Science Education and Research, Trivandrum, India
Indian Institute of Technology, Chennai, India
Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, China (2 lectures)
National Center for Nanoscience and Technology, Beijing, China
Harbin Institute of Technology, Harbin, China (4 lectures)
Masaryk University, Brno, Czech Republic (Innolac Lecturer; 6 lectures)
Czech Chemical Society, Brno, Czech Republic
Indian Institute of Science, Bangalore, India
Institute of Organic Chemistry & Biochemistry, Academy of Sciences of the Czech Republic, Prague
University of Wien, Vienna, Austria.
Indian Institute of Technology, Delhi, India
Indian Institute of Science Education and Research, Mohali, India (two lectures)
Punjab University, Chandigarh, India
Indian Association for the Cultivation of Science, Kolkata, India (two lectures)
Rice University, Houston, TX
Georgetown University, Washington, D. C.
University of Bordeaux (two lectures)
Osaka University (seven lectures)
The Tokyo University
Tokyo Metropolitan University
Ochanomizu Univ
Nara Institute of Science and Technology
Case Western University

The University of Western Ontario
University of Waterloo
University of Windsor
University of California, Los Angeles
Indian Institute of Science, Bangalore (five lectures)
Indian Institute of Technology, Madras
National Chiao Tung University, Hsinchu, Taiwan
National Tsing Hua University, Hsinchu, Taiwan
Academia Sinica, Taipei, Taiwan
National Taiwan University, Taipei, Taiwan
Johns Hopkins University, Baltimore
Brooklyn College
University of Connecticut, Storrs
IIT, Kharagpur, India, (ACS on Campus)
IIT, Madras, India, (ACS on Campus)
NIST, Trivandrum, India, (ACS on Campus)
IISER, Trivandrum India, (ACS on Campus)
University of Georgia, Athens, GA
Clemson University, Clemson, SC
Wake Forest University, Wake Forest, NC
University of Puerto-Rico, Rio Piedras, PR, (ACS on Campus)
Florida Atlantic University, Boca Raton, FL
Carnegie-Mellon University, Pittsburgh, PA
The University of New Mexico, Albuquerque, NM
Tokyo Metropolitan University, Tokyo, Japan
Tsukuba University, Tsukuba, Japan
Chiba University, Chiba, Japan
Osaka Prefecture University, Osaka, Japan
University of Tokyo
Tokyo Institute of Technology
Indian Institute of Science, Bangalore, India
Vellore Institute of Technology, Vellore, India
SRM University, Chennai, India
Bharathidasan University, Trichy, India
National Institute of Technology, Trichy, India
Sastra University, India
Central University, Thiruvavarur, India
Annamalai University, Chidambaram, India
Madurai Kamaraj University, Madurai, India
Indian Institute of Technology, Kharagpur, India
IISER, Kolkata, India
Viswabharathi University, Kolkata, India

NISER, Bhubaneswer, India
IIT, Bhubaneswer, India
Central University (University of Hyderabad), Hyderabad, India
Indian Institute of Chemical Technology, Hyderabad, India
IISER, Mohali, India
Indian Institute of Nanoscience and Technology, Mohali, India
National Chemical Laboratory, Pune, India (R. Mashelkar Endowment lecture)
IISER, Pune, India
Tejpur University, Tejpur, Assam, India
IIT, Guwahati, Assam, India
The Institute of Advanced Study in Science & Technology (IASST), Guwahati, Assam, India
North East Hill University, Shillong, Meghalaya, India
CSIR-NEIST, Jorhat, Assam, India
University of Madras, Chennai, India (P. Natarajan Endowment lecture)
Marquette University
University of Wisconsin, Madison
North Dakota State University
The University of New Mexico, Albuquerque, NM
University of Iowa
Iowa State University
Technical Institute of Physics and Chemistry, Chinese Academy of sciences, Beijing, China
Sichuan University, Chengdu, China
Shaanxi Normal University, Xian, China
Shandong University, Jinan, China
National Institute of Technology, Trichy, India
Indian Institute of Technology, Kanpur India
Bharathiar University, Coimbatore, India
National Institute of Technology, Trichy, India
Ohio University, Athens, OH
Kansas University, Lawrence, KS
Sichuan University, Chengdu, China
Shaanxi Normal University, Xian, China
Sichuan University, Chengdu, China
Shaanxi Normal University, Xian, China
Jiangsu Normal University, Xuzhou, China
Indian Institute of Technology, Bombay
Indian Institute of Science, Bangalore
Indian Institute of Science Education and Research, Bhopal
Bowling Green State University, Bowling Green, Hall Lecturer
Fudan University, Shanghai, China
East China University of Science and Technology (ECUST), Shanghai, China
Shanghai University, Shanghai, China

Sichuan University, Chengdu, China

IIT-Delhi

Utah State University

Valdosta State University, Valdosta, GA

North Florida University, Jacksonville, FL

2024

Indian Institute of Science Education and Research, Thiruvananthapuram, India

Indian Institute of Science, Bangalore, India

Ph.D Thesis Guided

Indian Institute of Science, Bangalore, India

1. N. Ramasubbu (1982)#
"X-Ray Crystallographic Investigations of Strained Small Rings and some Photoreactive Coumarins"
2. K. Muthuramu (1983)
"Norrish Type I α -Cleavage Reactions of Cyclobutanethiones and Photochemical Studies in Micellar Media"
3. V. Ramesh (1983)
"Quenching and Generation of Singlet Oxygen by Thioketones and Micellar Effects on Selectivity in Photochemical Reactions"
4. N. Ramnath Iyer (1983)
"Mechanism of Photooxidation of Thioketones and Limitations of Micellar Alignment Effect on Regioselectivity of Photodimerizations"
5. V. Jayathirtha Rao (1984)
"Oxidation of Thioketones and Thioketenes by Singlet Oxygen"
6. K. Bhagavathi Sundari (1984)
"Photochemical Studies on Thiocarbonyl Compounds"
7. Sharat Singh (1985)
"Excited State Behaviour of Substituted Cyclopropanethiones and Thioketenes and Photochemical Investigations in Cyclodextrins"
8. K. Gnanaguru (1985)#
"Photochemical and X-Ray Crystallographic Studies on Coumarins in the Crystalline State"
9. P. Arjunan (1985)#
"Photochemical Oxidation of Thioketones in the Crystalline State and Photochemical Behaviour of Polyenes in Cyclodextrin Media"
10. V. Pushkara Rao (1986)
"Excited State Behaviour of α,β -Unsaturated Thiones"
11. B. Nageshwer Rao (1986)
" α -Cleavage Reactions of Cyclobutanethiones and Selectivity in Photochemical Reactions using Cyclodextrin"

12. K. Padmanabhan (1986)#
"Structure-Reactivity Correlations in Organic Solid State Chemistry: Photochemical Hydrogen Abstraction"
13. G. Satyanarayana Murthy (1986)#
"Structure-Reactivity Correlations in Solid State Thermal and Photochemical Reactions"
14. G. Dasaratha Reddy (1987)
"Modification of Photochemical Reactivity of Carbonyl Compounds by Cyclodextrins"
15. S. Devanathan (1987)
"Modification of Photochemical Reactivity by Incorporation of Organic Molecules in Organized Media and Photocycloaddition Reactions of Thiocoumarin"
16. M. S. Syamala (1987)
"Selectivity in Photoreactions in Cyclodextrin Media"

Tulane University, New Orleans, LA

17. A. Joy (2000)
"Studies on Asymmetric Photoreactions in Zeolites"
18. M. Warrier (2000)
"Selectivity in Photochemical Reactions Carried out Within Zeolites"
19. N. T. Prevost (2000)
"Photochemical and photophysical Studies of Organic Molecules in Zeolites: Energy and Electron Transfer"
20. P. Lakshminarasimhan (2001)
"Photochemical Reactions in Zeolites—Effect of Acidity, Confinement and Non-Bonded Interactions"
21. S. Uppili (2002)
"Selectivity in Photochemical Reactions within Zeolites"
22. S. Koodenjeri (2002)
"Controlling Photochemical Reactions Through Well Structured Hosts (Cyclodextrins and Dilol Hosts)"

Jointly guided in collaboration with Professor K. Venkatesan (Crystallographer)

23. J. Shailaja (2002)
“Selective Phototransformations in Constrained Media and Theoretical Insight into the Photophysics of Acetophenones”
24. K. J. Ponchot (2003)
“The Influence of Zeolite Environment on Selectivity of Photochemical Reactions”
25. J. Sivaguru (2003)
“Selective Phototransformations in Organized Media”
26. Arunkumar Natarajan (2004)
“Selectivity in Organic Photochemical Reactions within Zeolites and in the Crystalline State”
27. L. S. Kaannumalle (2004)
“Controlling Photochemical Reactions Through Confined Spaces and Cations”

University of Miami, Miami, FL

28. M. Pattabiraman (2006)
“Controlling Photochemistry of Organic Molecules Using Water-Soluble Hosts”
29. S. Arumugam (2006)
“Controlling Photochemistry Within Polymeric and Oligomeric Organic Hosts”
30. S. Kartikeyan (2007)
“Controlling Selectivity in Photochemical Reactions Through Confinement and Non-bonded Interactions”
31. R. Kaliappan (2008)
“Selectivity in Photochemical Reactions Within Water Soluble Calixarenes and Cyclodextrins”
32. A. Sundaresan (2008)
“Photochemical Transformations in a Water-soluble Supramolecular Assembly: Spatial and Temporal Effects on Product Selectivity”
33. S. N. M. Venkata (2008)
“Influence of Confined Media on Photophysical and Photochemical Transformations of Organic Guest Molecules: Water Soluble Supramolecules as Confined Media”
34. Anand Parthasarathy (2009)

“Photochemical Reactions in a Water Soluble Supramolecular System: Influence of Confinement on Guest Reactivity and Product Selectivity”

35. Mintu Porel (2012)
“Understanding the interior characteristics of a deep cavity cavitand and its role in modulating photophysical processes of organic molecules”
36. Shampa R. Samanta (2012)
“Controlling Photochemical and Photophysical Behavior of Organic Molecules within a Water-soluble Host”
37. Revathy Kulasekharan (2012)
“Dynamic and reactivity of guests within a water soluble host and synthesis of cationic water soluble cavitands”
38. Rajib Choudhury (2012)
“Structure and Dynamics of Small Molecules within Water-soluble Hosts: A Thermodynamic, Nuclear Magnetic Resonance Spectroscopic and Computational Study”
39. Shipra Gupta (2013)
“Understanding the Influence of Confinement on the Excited State Properties of Small Organic Molecules”
40. Barnali Mondal (2014)
“Controlling Photoreactions in Crystals and Through Confinement in Water-Soluble Supramolecules”
41. Pradeepkumar Jagadesan (2015)
“A study of influence of supramolecular confinement on the photochemistry of organic guest molecules.”
42. Elamparathy Ramasamy (2015)
“Formation and Intercalation of supramolecular capsular assemblies on surfaces and their excited state properties”
43. Nareshbabu Kamatham (2018)
“Caged Molecules Released from Capsules: Photochemical and Photophysical Studies of Coumarin Triggers”
44. Giri Babu Veerakanellore (2018)
“Photodimerization of *cis*-Cinnamic Acids and *cis*-Cinnamides in Crystalline State and in Aqueous Solution”

45. Ashwini Dano (2018)
“Studies on the photophysical properties of aromatics and dyes in isotropic solvents and confined spaces”
46. Mohan Raj Anthony Raj (2018)
“Controlling Photoprocesses within a Confined Space: Switches, Triggers and Electron Transfer”
47. Ramkumar Varadarajan (2020)
“Studies on Supramolecular Chemistry and Photochemistry of Encapsulated Organic Molecules”
48. Dipendra Kadka (2024)
“Chemistry in Confined Spaces: Photochemistry of Ketones, Thioketones, and Nitrites within an Organic Capsule”

**Graduate and Undergraduate Students, Postdocs and Visitors Trained in the Laboratory of
V. Ramamurthy during 1978-2018 (lists those who are co-authors on publications)**

Indian Institute of Science

- V. Jayathirtha Rao (vaidya.opv@gmail.com)
Emeritus Scientist, Deputy Director, CSIR,- Indian Institute of Chemical Technology, Hyderabad
Advisory Consultant, Hetero Drugs Pharma Industry, Hyderabad, India
- K. Muthuramu (rmuthura@apotex.com)
Associate Director, Global QC Tech Support, Apotex Inc., Toronto, Canada
- N. Ramasubbu# (Ramasun1@sdm.rutgers.edu)
Associate Professor, Department of Oral Biology, Rutgers School of Dental Medicine, NJ, USA
- V. Ramesh
Scientist, Research & Development, Sasol, USA
- N. Ramnath Iyer (Ramnath.Iyer@AftonChemical.com)
Technical Advisor, Afton Chemical Corporation, USA
- G. Usha (ushar@pacbell.net)
Senior Member of Technical Staff, Stanford Nanofabrication Facility, Stanford University, USA
- K. Bhagavathi Sundari (1984) bagavathisundari@yahoo.com
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VIII. Edited Monographs/Journal Special Issues/Books

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Molecular and Supramolecular Photochemistry, Volume 10, Semiconductor Photochemistry and Photophysics, Editors, V. Ramamurthy and K. Schanze, Marcel Dekker: New York, 2003.

Molecular and Supramolecular Photochemistry, Volume 11, Chiral Photochemistry, Editors, Y. Inoue and V. Ramamurthy, Marcel Dekker: New York, 2004.

Molecular and Supramolecular Photochemistry, Volume 14, Organic Photochemistry and Photophysics, Editors, V. Ramamurthy and K. Schanze, Taylor and Francis: Boca Raton, 2006.

Photochemistry and Photobiological Sciences (RSC publication), Special Issue dedicated to Professor N. J. Turro, December 2008, Guest Editor, V. Ramamurthy.

Supramolecular Photochemistry: Controlling Photochemical Processes, Editors, V. Ramamurthy and Y. Inoue, John Wiley & Sons: New York, 2011.

Photochemistry and Photobiological Sciences (RSC publication), N. J. Turro Memorial Special Issue, Guest Editors, V. Ramamurthy, F. D. Lewis, Y. Inoue, J. Mattay (13, issue 2, 2014).

IX. Authored text books

Principles of Molecular Photochemistry: An Introduction, N. J. Turro, V. Ramamurthy and J. C. Scaiano, University Science Books: Sausalito, CA, 2008.

Modern Molecular Organic Photochemistry, N. J. Turro, V. Ramamurthy and J. C. Scaiano, University Science Books: Sausalito, 2010.

X. Conferences Organized

Member, Organizing Committee, 3rd Winter Conference of the Inter-American Photochemical Society, 1991, Clearwater Beach.

Member, Organizing Committee, 10th International Conference on Organic Solid State, 1991, Vancouver.

Member, Organizing Committee, 6th International Cyclodextrin Symposium, Chicago, 1992.

Member, Organizing Committee, 11th International Conference on Organic Solid State, 1993, Jerusalem.

Member, Organizing Committee, 12th International Conference on Organic Solid State, 1995, Japan.

Co-Chair, 7th Winter Conference of the Inter-American Photochemical Society, 1995, Clearwater Beach.

Symposium on Supramolecular Organic photochemistry at ACS National meeting in New Orleans, March 1996.

Member, Organizing Committee, 8th Winter Conference of the Inter-American Photochemical Society, 1996, Brazil.

Member, Organizing Committee, 13th International Conference on Organic Solid State, 1997, Stony Brook, USA.

Chair, Organizing Committee, A Symposium on Molecular and Supramolecular Photochemistry, ACS National meeting, Boston, 1998.

Co-Organizer, US-Japan Workshop on "Supramolecular Photochemistry", December 1999, New Orleans, LA.

Co-Organizer, A Symposium on Molecular and Supramolecular Photochemistry, PACIFICHEM 2000, December 2000, Honolulu, HI.

Member, Organizing Committee, International Symposium on Asymmetric Photochemistry, Osaka, Japan, 2001.

Co-Chair, International Symposium on Asymmetric Photochemistry, Nara, Japan, 2003

Member, Advisory Committee, 3rd International Symposium on Recent Trends in Photochemical Sciences, Trivandrum, India, 2004.

Co-Chair, Gordon Conference on Photochemistry, 2005.

Co-Chair, A Symposium on Supramolecular Photochemistry, PACIFICHEM 2005, December 2005, Honolulu, HI.

Member, Organizing Committee, IUPAC Symposium on Photochemistry, Japan, 2006.

Organizer, Exploring the New Frontiers of Modern Photochemistry and Physical Organic Chemistry, Miami, 2007.

Co-Organizer, Symposium on Newer Trends in Photochemistry, Columbia University, New York, 2008.

Co-Organizer, A Symposium on Supramolecular Photochemistry, PACIFICHEM 2010, December 2010, Honolulu, HI.

Co-Organizer, A Symposium on Molecular and Supramolecular Photochemistry, PACIFICHEM 2015, December 2015, Honolulu, HI.

Co-Organizer, A Symposium on Molecular and Supramolecular Photochemistry, PACIFICHEM 2020, December 2020, Honolulu, HI.

XII. Editorial Board

Editor, The Inter-American Photochemical Society Newsletter, (1991-1994)

Editorial Board: Indian Journal of Chemistry: B (1995-2000)

Editorial Board: Langmuir (1998-2004)

Editorial Board: Supramolecular Catalysis (2014-2016)

Editorial Board: Journal of Photochemistry: C (2001-current)

Editorial Board: Journal of Photochemistry: A (2002-current)

Editorial Board: Molecules (2015-current)

Editorial Board: Journal of Photochemistry (2021-current)

XII. Editor

Senior Editor, Langmuir (ACS journal) 2008-2021

Executive Editor, Langmuir (ACS journal) 2022-current