

RANDY GAUGLER

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EDUCATION

B.S., Entomology, North Dakota State University, 1972.
M.S., Entomology, North Carolina State University, 1974.
Ph.D., Entomology, University of Wisconsin, 1978.

POSITIONS

Senior Scientist, New York State Museum, 1979-82.
Assistant Professor, Rutgers University, 1982-86.
Associate Professor, Rutgers University, 1986-91.
Professor, Rutgers University, 1991-95.
Research Director, Ecogen, 1993-95.
Distinguished Professor, Rutgers University, 1995-present.
Director, Rutgers Center for Vector Biology, 2006-present.
Associate Director, New Jersey Agricultural Experiment Station, 2007-09.

PUBLICATIONS & CITATION INDICES

http://scholar.google.com/citations?view_op=list_works&hl=en&user=-zHJRBUAAAAJ

PATENTS

Trimmer, Ling, Hashmi & Gaugler. 1996. Introduction of foreign materials into cells. WO 1996010630.
Gaugler, R & M Hatab. 2002. Disposable bioreactor for culturing microbes and cells. US 6,432,698.
Gaugler R. 2002. Apparatus & method for production of insecticidal nematodes. US 6,474,259.
Gaugler, R & I Brown. 2003. Apparatus and method for separation of nematodes. US 6,532,891.
Gaugler, Suman & Wang. 2012. Autodissemination of an IGR for insect management. WO 2,012,158,192.
Wang, Y & R Gaugler. Bi-phase station for mosquito control. RU2012-041, filed December, 2012.

TECHNOLOGY LICENSES

Gaugler, R. 1993. Exclusive for novel nematode strain to Biosys (U.S.).
Gaugler, R. 1994. Genetically improved nematode strain to Ecogen-Australia (Australia).
Gaugler, R & R Stuart. 1996. Exclusive for genetically improved strain to Bio-Integrated Technol (Italy).
Gaugler, R & M Hatab. 1998. Culture medium to Integrated BioControl Systems (U.S.).
Gaugler, R. 1999. Novel entomopathogen strain (#326) to SDS Biotech (Japan).
Gaugler, R. 2000, 2009. Nematode micrographs (3). Environmental Factor (Canada), Bio-Insecta (Greece).
Gaugler, R. 2005. Novel entomopathogen strain to Nematec (U.S.).
Gaugler, R. 2009. Novel entomopathogen strain to AEF Global (Canada).

COMMERCIAL PRODUCTS

*VECTOR-WG*TM - Biosys (U.S.), 1993.
*OTINEM-HB*TM - Ecogen-Australia (Australia), 1994.
*CRUISER*TM - Ecogen (U.S.), 1995.
*NEMA-BIT*TM - Bio-Integrated Technologies (Italy), 1997,
*NEMA-TOP*TM & *NEMA-GREEN*TM - E-Nema GmbH (Germany), 1997.
*TERRANEM*TM - Koppert Biological Systems (The Netherlands), 2001.
*BIOTOPIA*TM - SDS Biotech (Japan), 2001.
*BIO-VANTAG*TM - Nematec (U.S.), 2005.
*BIOPROTEC*TM – AEF Global (Canada), 2009.

INVITED PRESENTATIONS

1989 to present

- 1989** Department of Entomology, Ohio State University (OARDC).
 Dept. Crop Protection, University of Puerto Rico, Mayaguez., Puerto Rico.
 Biosys, Palo Alto.
 Projects Discovery, American Cyanamid, Princeton.
 New Jersey Society for Parasitology, Rahway.
 International Symposium on Entomopathogenic Nematodes, Asilomar.
 Entomological Society of America (EB), Providence.
 Chief Executive Officer, American Cyanamid, Princeton.
Department of Entomology, North Dakota State University, Fargo.
- 1990** Station de Zoologie, Centre de Recherches, INRA, Guadeloupe.
 Urania Corporation, Hamburg, West Germany.
 Ciba-Geigy Corporation, Basel, Switzerland.
 Entomological Society of America (EB), Baltimore.
CARDI, University of the West Indies, Jamaica.
- 1991** Society of Invertebrate Pathology, Flagstaff.
 Society of Invertebrate Pathology, Flagstaff.
 Turfgrass Research Workshop, New Brunswick.
 Biosys, Palo Alto.
 New Jersey Turfgrass Expo, Somerset.
 Entomological Society of America, Reno.
 Entomological Society of America, Reno.
Table Ronde Roussel-Uclaf, Institute Scientifique Roussel, Paris, France.
- 1992** Department of Biology, Temple University, Philadelphia.
 Department of Entomology, University of Delaware, Newark.
 Ecogen, Langhorne.
 Division of Entomology, CSIRO, Canberra, Australia.
 Ecogen Australia, Hobart, Tasmania.
 National Turfgrass Breeders, New Brunswick.
 New Jersey Ornamental IPM Conference, Toms River.
 Department of Turf and Ornamentals, Ciba-Geigy, Orlando.
International Congress of Entomology, Beijing, China.
- 1993** U.S. Forest Service, All Scientists Meeting, Mobile.
 ARO-Volcani Center, Bet-Dagan, Israel.
 Entomological Society of America (EB), Williamsburg.

- Ecogen Board of Directors, Langhorne.
 Turfgrass Research Workshop, New Brunswick.
 Agricoltura, Alimenti & Ambiente S.r.l., Todi, Italy.
 Northeast Crop Protection Meeting, New Brunswick.
 E-Tech Board of Directors, New York City.
 Natural Enemies Special Conference, Indianapolis.
 Ecogen Symposium, Club 21, New York City.
 Ecogen Seminar Series, Langhorne.
Department of Zoology, University of Cairo, Egypt.
- 1994** VIth International Colloquium of Invertebrate Pathology, Montpellier, France.
 VIth Intern. Coll. Invertebrate Pathol., Montpellier, France.
 APHIS Japanese Beetle Airport Management Meeting, Mt. Laurel.
 Entomological Society of America (EB), Newport.
 Northern Crops Research Laboratory, USDA-ARS, Fargo.
 Entomological Society of America, Dallas.
Gaugler & Georgis, COST Meeting, Debrecen, Hungary.
- 1995** Czech Academy of Sciences, Czech Republic.
 Czech Academy of Sciences, Czech Republic.
 Rutgers Turfgrass Symposium, New Brunswick.
 Institute of Electrical & Electronics Engineers, Amsterdam, Netherlands.
 Bodega Bay Marine Research Laboratory, Bodega Bay.
 Department of Nematology, University of California, Davis.
 Second International Symposium of Entomopathogenic Nematology, Honolulu.
 New Jersey Turf Expo, Atlantic City.
 Landscape Organic Producers, Boston.
Department of Entomology, Penn State University, State College.
- 1996** Genetic Engineering Institute, Chinju, South Korea.
 Sussex College, Sussex.
 Rutgers Turfgrass Science Seminar, New Brunswick.
 Integrated BioControl Systems, Aurora.
 Kyoto University, Kyoto, Japan.
 Saga University, Saga, Japan.
 National Institute of Forestry, Tsukuba, Japan.
Japanese Society of Applied Zoology & Entomology, Yamaguchi, Japan.
- 1997** COST Meeting, Antibes, France.
 COST Meeting, Antibes, France.
 COST Meeting, Antibes, France.
 Department of Entomology & Nematology, University of Florida, Gainesville.
 Rutgers Turfgrass Science Symposium, New Brunswick.
 New Jersey Society for Parasitology, Princeton.
Department of Entomology, Texas A&M University, College Station.
- 1998** Duke Seminar, North Carolina State University, Raleigh.
 Environmental Protection Agency, Washington D.C.
 Dept. Parasitology, University of Pennsylvania, Philadelphia.
 Rutgers Turfgrass Science Symposium, New Brunswick.
 Eco Soil Systems, San Diego.
 Entomological Society of America (EB), Cherry Hill.
 Tri-State Research Foundation, Elmsford.
 Alternative Paradigms for BioControl Workshop, New Brunswick.
 OECD Sustainable Pest Management Workshop, Montreal, Canada.

- VIIth International Colloquium on Invertebrate Pathology, Sapporo, Japan.
Office of Research and Sponsored Programs, Rutgers University, Piscataway.
Thermo Trilog Corporation, Columbia.
Plant Protection Research Institute, Ankara, Turkey.
- 1999** Instituto de Investigaciones Agropecuarias, Chillan, Chile.
Johnson & Johnson World Headquarters, New Brunswick.
SARE Insecticidal Nematode Workshop, New Brunswick.
- 2000** Tri-State Research Foundation, Elmhurst.
Rutgers Turfgrass Symposium, New Brunswick.
Rutgers Turfgrass Symposium, New Brunswick.
Halim University, South Korea.
Kang Won University, South Korea.
Yang Pharmaceuticals University, South Korea.
InBionet, South Korea.
International Congress of Entomology, Iguasso, Brazil.
- 2001** Kasetsart University, Bangkok, Thailand.
Organizacion de Nematologos de los Tropicos Americanos, Varadero, Cuba.
Industrial Society for Microbiology, St. Louis.
Lockwood Lecture, Connecticut Agricultural Experiment Station, New Haven.
- 2002** U.S.-Egypt Biopesticide Workshop, Sharm El-Sheik, Egypt.
U.S.-Egypt Biopesticide Workshop, Sharm El-Sheik, Egypt.
U.S.-Egypt Biopesticide Workshop, Sharm El-Sheik, Egypt.
Ethiopian Agricultural Research Organization, Ambo, Ethiopia.
Ministry of Agriculture, Ras-Al Khaimah, United Arab Emirates.
Ministry of Agriculture, Ras-Al Khaimah, United Arab Emirates.
Royal Golden Jubilee Congress, Bangkok, Thailand.
Centro Nacional de Sanidad Agropecuaria, Havana, Cuba.
Plant Protection Conference, Cheng Mai, Thailand.
- 2003** Rutgers Turfgrass Science Symposium, New Brunswick.
Indian Agricultural Research Institute, Delhi, India.
Institute of Plant Protection, Ministry of Agriculture, Chisinau, Moldova.
American Phytopathology Society, Charlotte.
Third International Symposium on Entomopathogenic Nematodes, Eilat, Israel.
- 2004** Society of Invertebrate Pathology, Helsinki, Finland.
USDA-ARS Laboratory, Stoneville.
University of Neuchatel, Neuchatel, Switzerland.
University of Neuchatel, Neuchatel, Switzerland.
Shawnee State University, Portsmouth.
- 2005** CRDF & MRDA International Conf., Chisinau, Moldova.
International Conference, Chisinau, Moldova.
Chinese Academy of Sciences, Harbin, China.
Institute of Environment, Beijing, China.
Chinese Academy of Sciences, Guangzhou, China.
Chinese Academy of Sciences, Guangzhou, China.
University of Sao Paulo, Jacoticabal, Brazil.
Andermatt Biocontrol AG, Grossdietwil, Switzerland.
Biotechnology Conference, Cairo, Egypt.
- 2006** Egyptian Ministry of Agriculture, Cairo, Egypt.
Faculty of Agriculture, Cairo University, Cairo, Egypt.
Faculty of Agriculture, Cairo University, Cairo, Egypt.

- Faculty of Science, Cairo University, Cairo, Egypt.
 Faculty of Science, Cairo University, Cairo, Egypt.
 Department of Entomology, Cairo University, Cairo, Egypt.
 National Research Centre, Cairo, Egypt.
 Fulbright Association, Washington D.C.
 Chinese Academy of Sciences, Harbin, China.
 Shanghai Forestry Station, Shanghai, China.
 Chinese Academy of Sciences, Beijing, China.
VIIth Latin American Scarabaeoidology Meeting, Santa Cruz, Bolivia.
- 2007** Applied Centre for Entomonematology, Cairo University, Cairo, Egypt.
 First International Forum on EPN, Quebec City, Canada.
 Vector Biology Summit, New Brunswick.
 Bolley Distinguished Alumni Lecture, North Dakota State University, Fargo.
 CSREES Review of NJAES, New Brunswick.
 NorthEast Mosquito Control Association, Plymouth.
Inaugural Distinguished Faculty Colloquium, Rutgers University, New Brunswick.
- 2008** Plant & Animal Genome XVIth Conference, San Diego.
 NJ State Mosquito Control Commission, New Brunswick.
 International Congress of Nematology, Brisbane, Australia.
 New Jersey Mosquito Control Association, Atlantic City.
 Heilongjiang Academy of Agricultural Sciences, Harbin, China
 Harbin Medical University, Harbin, China
 Northeast Agricultural University, Harbin, China
 Chinese Academy of Sciences, Harbin, China.
 New Jersey Quarterly Mosquito Biologists Workshop, New Brunswick.
US Naval Medical Research Unit No. 3, Cairo, Egypt.
- 2009** Keystone Symposia: Complications of Diabetes & Obesity, Vancouver, Canada.
 Chinese Academy of Sciences, Harbin, China.
 New Jersey Quarterly Mosquito Biologists Workshop, New Brunswick.
 New Jersey Mosquito Control Association, Atlantic City.
 Risk Assessment Modeling Workshop, New Brunswick.
Fulbright 60th Anniversary Symposium, Alexandria, Egypt.
- 2010** Deployed WarFighters Fund, New Brunswick.
 MGK Corp., New Brunswick.
 Clarke Mosquito Control, New Brunswick.
Chinese Academy of Sciences, Harbin, China.
- 2011** Naval Entomology Center for Excellence, Jacksonville.
 Valent Bioscience Corp., New Brunswick.
 Clarke Mosquito Control, New Brunswick.
 MGK Corp., New Brunswick.
 Anastasia County Mosquito Control District, St. Augustine.
 Northeast Agricultural University, Harbin, China.
International Conference on Biopesticides, Chiang Mai, Thailand.
- 2012** Chinese Academy of Sciences, Harbin, China.
 NorthEast Agricultural University, Harbin, China.
 US Naval Medical Research Unit No. 3, Cairo, Egypt.
 Cairo University, Cairo, Egypt.
 Naval Entomology Center for Excellence, Jacksonville.
 MGK Corp., Minneapolis.
Vector Biology Section, NAMRU3, Cairo, Egypt.

2013 Department of Plant Protection, Minya University, Minya, Egypt.
 Vector Biology Section, US Naval Medical Research Unit No. 3, Cairo, Egypt.
 Fulbright Enrichment Seminar Series, Cairo, Egypt.
 Agricultural Research Center, Cairo, Egypt.
 American Mosquito Control Association, Atlantic City.
 Department of Zoology, Cairo University, Cairo, Egypt.
 Fulbright End of Year Seminar, Za'afarana, Egypt.

COMPETITIVE GRANTS

1989 to present

- USAID-PSTC, 1987-89. Biocontrol of *Phyllophaga* spp. Gaugler & Gonzalez. \$125,000.
- USDA-CRGP, 1987-89. Genetic improvement of parasites. Gaugler & McGuire. \$90,000.
- SeaGrant, 1988-89. Mating habits of saltmarsh tabanids. Gaugler & Schutz. \$1300.
- USDA-CRGP, 1988-89. Advances with insect nematodes. Gaugler & Kaya. \$16,000.
- Turfgrass Research Fund, 1988-93. Host-parasite interactions with scarab larvae. Gaugler. \$69,000.
- USDA-Subtropical, 1988-91. Biocontrol of sweetpotato weevil. Jansson et al. \$135,000.
- BARD, 1989-92. Enhanced biocontrol potential by mutant analysis. Gaugler et al. \$220,000.
- USDA Subtropical, 1989-92. Biocontrol of *Liriomyza*. Hara, Kaya & Gaugler. \$125,000.
- USDA-IPM Pilot Project, 1990-93. Biocontrol of Japanese beetle. Klein et al. \$171,500.
- USAID, 1991-92. Development of biocontrol cottage industry. Jansson & Gaugler. \$5000.
- USDA, 1991-93. Biocontrol of white grubs. Harrison, Gaugler, Kaya & Klein. \$339,000.
- U.S. Golf Association, 1991-94. Environmental fate of entomopathogens. Klein et al. \$60,000.
- USDA-Subtropical, 1991-94. Soil characteristics of insect nematodes. Jansson et al. \$145,000.
- NJ Dept. Agric., 1992-95. Insect-parasite population dynamics in turf. Yoder et al. \$22,400.
- USDA-OICD, 1992. Biological insecticides for scarabs. Kaya & Gaugler. \$5000.
- BARD, 1992-95. Host selection & adaptation in an entomopathogen. Gaugler et al. \$220,000.
- USAID, 1992-95. Genetic engineering for environmental tolerance. Gaugler et al. \$600,000.
- USDA, 1993-95. Biocontrol of diamondback moth. Kaya, Tabashnik & Gaugler. \$134,000.
- BARD, 1993-96. Enhancement of pathogen stability by mutagenesis. Glazer et al. \$275,000.
- Turfgrass Research Fund, 1994-97. Development of bioinsecticides for scarabs. Gaugler. \$207,000.
- National Biological Control Institute, 1995. Intern. Symposium. Gaugler & Kaya. \$5000.
- LT/GCSANE Fund, 1995. Insect-nematode population dynamics. Lewis & Gaugler. \$8700.
- National BioControl Institute, 1996-97. Inoculative release strategies. Gaugler et al. \$18,750.
- CDFA, 1996-99. Comparing biocontrol vs diazinon. Kaya, Gaugler & Koppenhofer. \$140,000.
- USDA-NRI, 1996-98. Risk assessment of a transgenic organism. Gaugler et al. \$145,750.
- GCSAA Foundation, 1997-00. Culturing of white grub parasites. Gaugler. \$30,000.
- Foreign Agricultural Service, 1997-00. Parasite discovery: Chile. Gaugler & France. \$30,000.
- National Biological Control Institute, 1997-98. New biocontrol paradigms. Gaugler. \$5000.
- Tri-State Foundation, 1997-00. New technology for insecticidal nematodes. Gaugler. \$30,000.
- SARE, 1997-00. Multi-media aids & in-service training for a biological. Gaugler et al. \$59,000.
- Turfgrass Research Fund, 1997-04. Insect defenses against nematode infection. Gaugler. \$124,000.
- USDA-SBIR, 1998. Nematodes as slug parasites. Shapiro et al. \$64,275.
- Geraldine Dodge Foundation, 1998. Alternative paradigms for biocontrol. Gaugler. \$10,000.
- Horticultural Research Institute, 1998-99. Biocontrol of mollusks. Gaugler & Wilson. \$10,000.
- USDA, 1998-01. Biocontrol of plant-parasitic nematodes. Sipes, Kaya & Gaugler. \$152,000.
- BARD, 1998-01. A molecular approach to entomopathogen stability. Gaugler et al. \$280,000.
- U.S-Egypt Science & Techn. Fund, 1999-01. Parasite genetic engineering. Gaugler et al. \$50,000.
- Horticultural Research Institute, 1999-00. Introduction of exotic parasite. Brown & Gaugler. \$12,000.

- Thailand Research Fund, 2000-2002. Training in biological control. Gaugler. \$7900.
- USDA-NRI, 2000-03. New micro-fermentation technology. Gaugler. \$178,000
- Science & Technology Fund, 2001-02. International symposium. Gaugler et al. \$50,000.
- BARD, 2001-02. Entomopathogenic nematodes and symbionts. Gaugler & Glazer. \$35,000.
- U.S.-Egypt Science & Techn. Fund, 2002-04. In vivo mass production system. Gaugler et al. \$47,000.
- USDA-NRI, 2002-05. Genetic engineering anti-immune proteins. Cox-Foster et al. \$299,000.
- USDA-NRI, 2002-05. Entomopathogen strain stability. Shapiro, Gaugler & Adams. \$300,000.
- Civilian R&D Foundation, 2003-05. Discovery & ID of EPN. Gaugler & Gebre. \$35,000.
- Lindbergh Foundation, 2003-05. Achieving sustainability via biopesticides. Gaugler. \$10,580.
- Fulbright, 2005-06. Entomopathogen production in the Middle East. Gaugler. \$24,200.
- NIH, National Human Genome Research Institute, 2005-08. Genome sequencing of *H. bacteriophora*. Grewal, Adams, Ciche, Gaugler & Sternberg. \$1,840,000.
- NSF/NRI, 2006-08. The entomopathogenic nematode genome consortium: sequence annotation for *Heterorhabditis bacteriophora*. Grewal, Adams, Ciche, Gaugler & Sternberg. \$240,000.
- U.S.-Egypt Science & Technology Fund, 2007. Entomonematology training. Gaugler. \$51,870.
- EPA-PESP, 2007-08. New Jersey light traps and risk assessment. Reed et al. \$50,000
- NJDEP, 2007-09. Free-ranging birds and mosquito-borne arboviruses. Reed et al. \$51,029.
- Academic Excellence Fund, 2008-09. Climate & health initiative. Fefferman et al. \$75,000.
- Academic Excellence Fund, 2008-09. Climate change. Broccoli et al. \$75,000.
- Academic Excellence Fund, 2008-09. Risk assessment modeling. Fefferman et al. \$5760.
- USDA-CSREES, 2008-09. International Asian tiger mosquito symposium. Gaugler et al. \$10,000.
- Busch Biomedical Research Fund, 2008-10. RIDL transgenic mosquitoes. Gaugler et al. \$50,000.
- USDA-ARS, 2008-2013. Area-wide suppression of Asian tiger mosquito. Clarke et al. \$3,787,300.
- Deployed War Fighter Protection, 2010-12. Strategies for using pyriproxyfen. Gaugler et al. \$307,110.
- Proof-of-Concept Fund, Rutgers, 2011. Apparatus for autodissemination of an IGR. Gaugler. \$35,000.
- Robert Wood Johnson Foundation, 2011-13. Mosquitoes & child obesity. Worobey et al. \$124,015.
- Deployed War Fighter Protection, 2012-14. Autodissemination technologies. Gaugler et al. \$300,000.
- National Institutes of Health – SBIR, 2012-13. Development of an ADS. Banfield & Gaugler. \$150,000.

CONTRACTS & GIFTS

- Various industry sources 1990-2006 (e.g., Biosys, Cyanamid, Ecogen, Mycogen, etc.). \$704,500.
- New Jersey State Mosquito Control Commission, 2006. \$192,028
- New Jersey State Mosquito Control Commission, 2007. \$246,442.
- Clarke Mosquito Control Company, 2008. \$160,000.
- Zoecon, 2008. \$76,000.
- NJ State Mosquito Control Commission, 2008. \$277,000.
- New Jersey & NorthEast Mosquito Control Association(s), 2008. \$3500.
- TIFA Worldwide, Adapco, SpringStar, 2009. \$4000.
- Clarke Mosquito Control, w/ Farajollahi, Crans et al., 2009. \$32,000.
- Valent, w/ Williams et al., 2009. \$22,000.
- NJ State Mosquito Control Commission, 2009. \$137,000.
- Clarke Mosquito Control, w/ S. Crans et al., 2010-11. \$52,000.
- Valent, w/ Williams & Farajollahi, 2010. \$20,000.
- MGK Corporation, 2010-12. \$100,000.

ADVISORY BOARDS

- Editorial Board (Associate Editor), *Journal of Nematology*, 1981-83.
- Review Panel, USDA Competitive Research Grants Program, Biol. Stress, 1983, 1985 & 1987.
- Program Manager, USDA Competitive Research Grants Program, Biological Stress, 1988-89.
- Scientific Advisory Board, Biosys (Palo Alto, Calif.), 1989-92.
- Editorial Board, *Biological Control* (Academic Press), 1990-01.
- Scientific Advisory Board, Ecogen (Langhorne, Penn.), 1992-94.
- Editor, *Journal of Nematology*, 1992-96.
- Michigan Human Living Environment IPM Advisory Taskforce, 1994-95.
- Scientific Advisory Board, Chair, Ecogen-Europe (Perugia, Italy), 1994-95.
- Editorial Board, *Applied Soil Ecology*, 1997-2003.
- Review Team, USDA/ARS Application Technology Research Unit – Wooster, 1998.
- Board of Scientific and Policy Advisors, American Council on Science & Health, 1999-2010.
- Advisory Board, *International Journal of Biology & Biotechnology*, 2003-present.
- Scientific Advisor, International Foundation for Science (Sweden), 2003-08.
- External Review Team, Department of Plant & Soil Science, West Virginia University, 2003.
- Advisory Board, Applied Centre for Entomonematology, Cairo University, Egypt, 2005-present.
- Editorial Board, *Pakistan Journal of Nematology*, 2007-present.
- Editorial Board, *Trends in Biosciences*, 2008-present.
- Busch Biomedical Research Advisory Committee, 2010-present.
- Review Team, AAAS panel for King Abdulaziz City for Science & Technology (Saudi Arabia), 2010.
- Editorial Board, *Iranian Journal of Biocontrol Research*, 2013-present.

PROFESSIONAL SERVICE

- Program Committee, Entomological Society of America (EB), 1983.
- Local Arrangements Committee, Society of Nematologists, 1983-84.
- Membership Committee, Entomological Society of America (EB), 1983-84.
- Chair, Color Atlas Committee, Society for Invertebrate Pathology, 1983-86.
- Employment Committee, Entomological Society of America (EB), 1984-86.
- Linnaean Games Committee, Entomological Society of America (EB), 1984-86.
- Local Arrangements Committee, Entomological Society of America (EB), 1987.
- Chair, Tellers Committee, Society for Invertebrate Pathology, 1988.
- Secretary, Subsection Ce, Entomological Society of America, 1988-89.
- Display Presentations Coordinator, Entomological Society of America, 1989.
- Organizer (w/ H. Kaya), First International Symposium of Entomopathogenic Nematodes, 1989.
- Chair, Nematode Subcommittee, S-135 Regional Research Project, 1989-93.
- Chair-Elect, Subsection Ce, Entomological Society of America, 1989-90.
- ESCOP Working Group on Biological Control, 1991-99.
- Regulatory Workshop Organizing Committee, ESCOP WG on Biocontrol, 1990-91.
- Head Judge, President's Prize, Entomological Society of America, 1990.
- Tropical Pest Biology Center Organizing Committee, University of Hawaii, 1990-92.
- Chair, Subsection Ce, Entomological Society of America, 1990-91.
- Membership Committee, Society of Nematologists, 1991-92.
- Nominations Committee, Section C, Entomological Society of America, 1991.
- Honors and Awards Committee, Society of Nematologists, 1991-94.
- Liaison Journal Committee, Entomological Society of America, 1991-92.
- External Examiner, Institute of Plant Protection, Poznan, Poland, 1993-present.

- CSRS Study of the Science of Nematology, 1992-94.
- Entomophilic Nematode Executive Committee, Society of Nematology, 1992-96.
- Member-at-Large, S-235 Regional Research Project, 1992-94.
- Secretary, S-240 Regional Research Project, 1994-96.
- Coordinator, Student Awards Committee, Society of Invertebrate Pathology, 1995.
- Organizer (w/ H Kaya), Second Intern. Symposium of Entomopathogenic Nematology, 1995.
- Black Fly Joint Study Group, Rutgers / New Jersey DEP / Pennsylvania DEP, 1995-97.
- Chair, S-265 Regional Research Project “Entomopathogens in IPM Systems”, 1996-98.
- Co-Chair, ESCOP Working Group on Biological Control, 1996-99.
- Organizer, Alternative Paradigms for Commercializing BioControl Intern. Workshop, 1997-98.
- Co-Major Advisor, A. Sasnarukit, PhD Committee, Kasetsart University, Thailand, 1999-04.
- Board of Examiners, Randa Abdel Rahman, University of Cairo, 2000.
- Donors Relations Committee, Society of Nematologists, 2000-04.
- Board of Examiners, P. Sundararaj, Bharathiar University, India, 2001.
- Consultant for the Darwin Foundation, Galapagos Islands., 2001.
- Led fund-raising effort establishing the Entomophilic Nematode Endowment, 2001.
- Board of Examiners, Lourdes Portales, University of Havana, Cuba, 2002.
- Co-Organizer, U.S.-Egypt Symposium on Entomopathogenic Nematodes, Egypt, 2002.
- Board of Examiners, P. Alagesan, Madurai Kamaraj University, India, 2003.
- Co-Chair, Rules Committee, Entomological Society of America (EB), 2002-06.
- Co-Organizer, Rutgers – Ethiopian Agricultural Research Organization EPN Workshop, 2004.
- International Organizing Committee, International Conference on Biodiversity of Insects, 2005-06.
- Fulbright Orientation Leader for North Africa, Middle East and South Asia. Washington, DC, 2006.
- BioControl Review Committee (*Beddingsia* release petition), No. America Plant Protection Org., 2006.
- New Jersey West Nile Virus Task Force, 2006-09.
- Chair, NE-507 Multistate Research Project “Mosquitoes, Disease & Public Health,” 2008-present.
- Board of Examiners, Manar Sanad, University of Cairo, 2009-2013.
- Board of Examiners, Mustafa Hemmant, University of Cairo, 2010-13.
- EPA Experimental Use Permit awarded for pyriproxyfen, DWFP/IR4 Team, 2011.
- Board of Examiners, Hana Haji Allahverdi, University of Tehran, Iran, 2012-present.

OUTREACH

Leader, Insecticidal Nematode Outreach Team, 1997-2001. Development of multi-media instructional aids (e.g., video, website, workshop, electronic expert panel, consumer guide, fact sheets, wall poster, manual, bibliography, etc.) that provide extension personnel with tools to assist growers in using nematodes effectively. Sixty team members from 21 states.

Consultant (e.g., Biosys, Integrated BioControl Systems, Ecogen, Great Lakes Chemical, Hyponex, Johnson & Johnson, ThermoTrilogy, etc.) in technology transfer.

Gaugler, R. 1997. Nematodes. In “Biological Control: A Guide to Natural Enemies in North America” (Weeden et al., eds). <http://www.nysaes.cornell.edu/ent/biocontrol/pathogens/nematodes.html>.

Wilson M & R Gaugler. 1997. *Phasmarhabditis hermaphrodita*. In Biological Control: A Guide to Natural Enemies in North America (Weeden et al., eds). http://www.nysaes.cornell.edu/ent/biocontrol/pathogens/phasmarhabditis_h.html.

Gaugler, R. 1997. Know your nematodes. *Golf Course Management*. December, pp. 64-68.

Graphics contributed and consultant for permanent nematode exhibit in Biodiversity Hall, American Museum of Natural History, 1998.

- Leader, Nematode Poster Design Team. 1998. Developed educational wall poster on nematodes.
- Executive Producer, "Nematodes as Pest Management Tools", 30 min training video, 1998.
- Smith-Fiola, D & R Gaugler. 1999. Everything you always wanted to know about beneficial nematodes. *The County Agent* 59:5-13.
- Gaugler, R. 1999. Matching nematodes to target hosts. Feature Article in *Midwest Biological Control News* 6(11):1-6. Reprinted as lead article in *The IPM Practitioner*, 2000.
- Miles, C, C Blethen & R Gaugler. 2000. Using beneficial nematodes for crop insect pest control. *Pacific NW Extension Publ* 544. 12 pp.
- Gaugler, R. 2000. Matching nematodes to target hosts. *The IPM Practitioner* 22(2):1-6.
- Smith-Fiola, D & R Gaugler. 2000. The nematode advantage. *Amer Nurseryman* 191:90-102.
- Miles, C, C Blethen & R Gaugler. 2001. Using beneficial nematodes for crop insect pest control. *Agrichemical & Environmental News*, Vol. No. 180, April.
- Directed New Jersey state-wide arbovirus and adult mosquito surveillance programs, 2006-11.
- Nelder, M & R Gaugler. 2008. New Jersey black flies. NJAES Coop Extension Fact Sheet FS1090.
- Miles, C, C Blethen, R Gaugler, D Shapiro-Ilan & T Murray. 2012. Using entomopathogenic nematodes for crop insect pest control. *Pacific NW Extension Publ* 544. 11 pp.

TEACHING EXPERIENCE

Full member of Graduate Programs in 1) Ecology & Evolution
2) Entomology, and 3) Plant Biology

- General Biology
- Turfgrass Pest Science
- Biological Control
- Principles of Ecology
- Short Course in Biological Control of Vectors (Chiapas, Mexico), 1983.
- Short Course in Entomopathogenic Nematology (Sao Paulo University, Brazil), 2005.
- Short Course in Entomopathogenic Nematology (Chinese Academy of Science, Harbin), 2006.
- Short Course in Insect Nematology (Cairo University), 2007.
- Contributor to: Advanced Insect Pathology (Cornell University), Host Recognition Short Course (University of Neuchatel, Switzerland), Advanced Training in Entomological Theory & Practice (Chinese Academy of Sciences, Beijing) and various courses at Cairo University (Egypt).

Teaching effectiveness rated 4.7/5.0 (<http://www.ratemyprofessors.com>)

HONORS & AWARDS

- Outstanding College Athletes of America, 1970.
- National Science Foundation Graduate Traineeship, 1972-1974.
- Commencement Speaker, North Dakota State University at Bottineau, 1988.
- USDA Certificate of Appreciation for Outstanding Service, 1989.
- Athletic Hall of Fame, North Dakota State University at Bottineau, 1990.
- Research Excellence Award. Rutgers University, 1993.
- Fellow of the Japanese Society for the Promotion of Science, 1994.
- Team Research Excellence Award. Rutgers University, 1995.
- Sustained Research Excellence Award. Rutgers University, 1996.
- Fellow of the Society of Nematologists, elected 1997.
- Board of Trustees Award for Excellence in Research, Rutgers University, 1998.

- Communicator Award of Distinction (1999), Educational Award from the Board Certified Entomologists of Mid-America (2000), and Award of Excellence from The Videographer Awards (2000) as Executive Producer of '*Nematodes as Pest Management Tools*' video.
- Excellence in Integrated Pest Management Award, Entomological Society of America, 1999.
- Fellow of the American Association for the Advancement of Science (AAAS), elected 1999.
- Education Award, '*Insect Nematodes*' website, Certified Entomologists of Mid-America, 2000.
- Outstanding BARD Research Project (top 15%) (w/ I. Glazer), BARD 20-year review, 2001.
- Recognition Award in Entomology, Entomological Society of America, 2004.
- New species named *Mononchoides gaugleri*, 2005.
- Fellow of the Entomological Society of America, elected 2005.
- Fulbright Senior Scholar, Egypt, 2005-06.
- Development of "molecular methods for genetic improvement" one of top ten New Jersey Agricultural Experiment Station Research Milestones - 1862 to 2005.
- Listed among 'Prominent Nematologists' by Nematode-Plant Expert Information System, 2005.
- Listed among 'Pioneers in Insect Nematology,' *Journal of Invertebrate Pathology* 89:57, 2005.
- Adjunct Member, Chinese Academy of Sciences, 2006.
- Albert Einstein Professor of the Chinese Academy of Sciences, 2006. The 14 recipients include six Nobel laureates.
- Distinguished Lecturer (inaugural), School of Environmental & Biological Sciences, Rutgers U., 2007.
- Henry L. Bolley Alumni Achievement Award (inaugural), North Dakota State University, 2007.
- Hall of Fame, West Fargo High, 2010.
- Professorship for Senior International Scientists, Chinese Academy of Sciences, 2011.
- Golden Service Award, Dakota College, 2012.
- Invited Foreign Expert, China International Economic & Trade Exposition, Harbin, China, 2012.
- International Excellence Award, School of Environmental & Biological Sciences, Rutgers, 2012.
- Fulbright Senior Scholar, Egypt, 2012-13.
- L.O. Howard Distinguished Achievement Award, Entomological Society of America (EB), 2012.
- Memorial Lecturer, American Mosquito Control Association, 2013.