

RESUME



Name: Kitherian Sahayaraj
Designation: Associate Professor
Department: Zoology
Address

PERSONAL DETAILS

Date of Birth : 07/05/1965
Qualification : M.Sc., M.Phil., PGDCA, PGDPP, Ph.D., D.Sc.
Designation : Associate Processor
Department : Zoology
Community : -
Religion : -
Nationality : Indian
Mobile : +91 9443497192
Email ID : ksraj48@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
D.Sc.	Zoology-Entomology	-	University of Madras, India	2017
Ph.D.	Zoology-Entomology		Madurai Karmaraj University, India	1992
PGDCA	Computer Application	-	Madurai Karmaraj University, India	2001
PGDPP	Plant Protection	-	Annamali University, India	2009 High first class With

				Distinction
M.Phil.	Zoology		Madurai Karmaraj University, India	1998
M.Sc.	Zoology		Madurai Karmaraj University, India	1985 University V rank
ACADEMIC IDENTITY				
*VIDWAN ID				
*ORCID ID				
*SCOPUS ID				
*RESEARCHER ID/ PUBLONS ID		https://www.researchgate.net/profile/Kitherian-Sahayaraj		
GOOGLE SCHOLAR LINK		https://scholar.google.com/citations?hl=en&user=jtO62a4AAAAJ		

TEACHING EXPERIENCE	
Date of Appointment	23.06.1998
Date of Retirement	31.05.2025
Teaching Experience	UG : 29
	PG :28
	M.Phil. : 20
Research	Guided M Phil: 25; Guided Ph. D. : 21; Guiding Ph. D. Scholar: 05

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.Sc., M.Sc., M.Phil., Ph.D.	St. Xavier's College	23.6.1998	Till date	24
B.Sc., M.Sc., M.Phil., Ph.D.	St. Joseph's College	28.11.94	22.06.98	03.5
B.Sc., M.Sc.	Arul Anandar College	01.07.92	30.06.93	01
M.Sc.	Kamaraj College	06.09.93	17.11.93	0.25
B.Sc.	St. Xavier's College	18.11.93	13.03.94	0.30

AWARDS RECEIVED	
1.	1987 M.Sc. University Fifth Rank and College First
2.	1996 Young Scientist Award by Department of Science and Technology, India
3.	1996 Rev.Fr. Rajarathnam Research Award by St. Joseph's college, Trichy
4.	1997 Biography included in the 14 th issue of who's who in the world.
5.	1998 Biography included in the International Biographical Center.

6.	2003 St. Xavier's College Science research Award
7.	2004 St. Xavier's College Science research Award
8	2008 Hyoshi Environmentalist Award, Japan (No. 2007-1)
9	2008 Scientists of the year – 2008, NESA, New Delhi
10	2009 Best Researcher in Science, St. Xavier's College
11	2009 Life time achievement by St. Xavier's College Aluminum Association – January 26, 2009
12	2010. YOUNG IOBC award - Travel grants by IOBC-AMRQC Working Group
13	2011. Young Achievers Award-2010 by SADHNA, Solan
14	2012. Leading Scientists of the Year – 2012, International Biography Centre, England
15	2013. Rashtriya Gaurav Award, Indian International Friendship Society, New Delhi England
16	2013. Leading Scientist of the year -2013, International Biography Centre,
17	2013. Top 100 Scientists-2013, International Biography Centre, England
18	2015. Best Science Researcher Award, St. Xavier's College
19	2016- Top 100 Scientists-2013, International Biography Centre, England
20	2016. Best Scientist by Education Expo TV, New Delhi & EET CRS research team
21	2016. Reviewer Excellence Awards – Agriculture Research Communication Centre
22	2017. Excellent Scholar Award by XIX International Botanical Congress (IBC 2017), Shenzhen, China
23	2018. IBC 2017 Travel grant Award by UGC, New Delhi

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1	Director Crop Protection Research Centre	St. Xavier's College, Palayamkottai	23.6.1998 to till date
2	Head, Department of Zoology	St. Xavier's College, Palayamkottai	June 2017 to 11.3.2020
3	Dean of Faculty of Sciences	St. Xavier's College, Palayamkottai	June 2013- May 2015
4	Research Cell – member	St. Xavier's College, Palayamkottai	June 2008 to till date
5	UG, PG Planning board and Additional Grant – Member – UGC- Plan XI	St. Xavier's College, Palayamkottai	June 2007- May 2012
6	UG, PG Planning board and Additional Grant – Member – XII	St. Xavier's College, Palayamkottai	2013-2015
7	College Magazine Committee-Member	St. Xavier's College, Palayamkottai	2010-2011
8	Curriculum Developmental Cell, Member	St. Xavier's College, Palayamkottai	2011-2015 2017-2020
9	Planning and Evaluation Committee – Member	St. Xavier's College, Palayamkottai	2009-2010 2012-2015
10	Governing Body – Member	St. Xavier's College, Palayamkottai	2013-2015
11	Examination Committee – Member	St. Xavier's College, Palayamkottai	2013-2015

12	IQAC, Member	St. Xavier's College, Palayamkottai	2013-2015
13	Member Secretary, Academic Council	St. Xavier's College, Palayamkottai	2013-2015
14	Academic Council Member	St. Xavier's College, Palayamkottai	2017-2020
15	College council – Member	St. Xavier's College, Palayamkottai	2017-2020
16	Overall coordinator –Star College Scheme	St. Xavier's College, Palayamkottai	23 rd September 2014 to 8 th June 2015
17	Chairman, Central Valuation, Zoology Board	St. Xavier's College, Palayamkottai	2016-17, 2017-19
18	Member, Transparency credibility council	St. Xavier's College, Palayamkottai	2019-2020
19	Research Committee, St. Xavier's College, Palayamkottai	St. Xavier's College, Palayamkottai	2019-2020
20	External expert- B.Sc. Board	Manonmaniam Sundaranar University, Tirunelveli	01.01.2016-31.12.2018
21	Member, M.Phil. & Ph.D Board	Manonmaniam Sundaranar University, Tirunelveli	01.05.2018-31.04.2021
22	Expert-Academic Audit	Sri Parasakthi College for Women, Coutrallam	2017-2018
23	Expert-Academic Audit	Sri Ramasamy Naidu Memorial College, Sattur-626 2013	2017-2019
24	Expert-Academic Audit	St. Johns College, Palayamkottai-627002	2019-2020
25	Expert-Academic Audit	ANJAC, Sivaksi	2020-2021
26	Academic Council Member	Sri Parasakthi College for Women (Autonomous), Coutrallam	2019-2022

MEMBERSHIP		
S. No	Designation	Particulars
1.	Member	<p>International Council Asian Council of Science Editors – till December 31, 2018 International organization for Biological Control (IOBC)-2020</p> <p>Associations 1. Heteropterist Association, Connecticut University, U.S.A. (December 2020) 2. Bioscience Research Association, India 3. Plant Protection Association of India, India 4. Indian Science Congress Association (ISCA)</p>

		Academy 1. National Environmental Science Academy (NESA), India-Member Societies 1. International Society for Pest Information (ISPI) (ID=16871)- Member 2. International Society of Zoological Sciences (ISZS), China (1013-I)- Member
2.	Fellow	Fellow of Royal Entomological Society of London (FRES-2021) (No.3462) Fellow of Entomological Society of India (FESI-2020) Fellow of National Academy of Biological Sciences (FNABS-2011) Fellow of Advanced Zoological Research (FAZ-2010) Fellow of Society for Biocontrol Advancement (FBA-2010) Fellow of Society for Applied Biotechnology (FABT-2010) Fellow of Society of Sciences (FSS-2002) Fellow of Zoological Society of India (FZSI-1999)

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (03)			
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme for College / University Teachers	UGC, New Delhi	Academic Staff College, Madurai Kamaraj University, Madurai, Tamil Nadu; from 05.05.1999 to 01.06.1999
2	Refresher Course in Life Sciences	UGC, New Delhi	Academic Staff College, University of Kerala, Thiruvananthapuram, Kerala from 03.01.2004 to 24.01.2004 at
3	Refresher Course in Bio-informatics	UGC, New Delhi	Academic Staff College, Bharathiar University, Coimbatore Tamil Nadu from 31.01.2006 to 20.01.2006

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the work was carried out
M.Phil.	Effect of solitary and crowded conditions on camouflaging behaviour of <i>Acanthaspis pedestris</i>	Madurai Karmaraj University, India
Ph.D.	Bioecology, Ecophysiology and ethology of chosen predatory hemipterans and their potential in biological	Madurai Karmaraj University, India

	control (Insecta: Heteroptera: Reduviidae)	
D.Sc.	Bioefficacy of <i>Rhynocoris marginatus</i> (Fab.) (Hemiptera: Reduviidae) on groundnut pests	University of Madras, Chennai, India

AREAS OF RESEARCH

Entomology, Bio Nanomaterial's, Pest Management

RESEARCH PROJECTS CARRIED OUT-15			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
1	Biocontrol potential evaluation of <i>Rhynocoris marginatus</i> (Fab.)	AIACHE, New Delhi (J/RC/93)-INR-0008000	July 1992 to June 1993 Completed
2	Integration of biocontrol agent, plant products and trap crops on the chosen groundnut pest management	DST, New Delhi - INR-0266000	December 1996 September 1999 Completed
3	Mass production and integration of reduviids predators in IPM	CSIR, New Delhi- INR-0607000	June 2000 June 2003 Completed
4	Role of reduviid predators on groundnut pest management	DBT, New Delhi- INR-0612000	November 2000 October 2003 Completed
5	Identification and application of fern constituents for the control of <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i>	DST, New Delhi- INR-0728000	February 2002 February 2005 Completed
6	Interactions of <i>Rhynocoris marginatus</i> (Fab.) with its target prey	IFS, Sweden- INR-0526000	September 2002 October 2003 Completed
7	Synthesis of artificial diet for reduviids mass production	CSIR, New Delhi- INR-0886941	19.05.2004 to 31.05.2007 Completed
8	Irrigation methods, IPM and non-IPM based pest management on economic analyses of groundnut cultivator's in Tirunelveli district	MEATrust, Chennai- INR-0100000	16.12.2006 to 15.12.2007 Completed
9	Reduviid Salivary Toxin and its Zootoxic effects on Polyphagous	DST, New Delhi- INR-2317000	1.02. 2008 –31.01. 2011

	Pests		Completed
10	Augmentative biological control evaluation of reduviids on cotton pests	CSIR, New Delhi- INR-1241310	1.04. 2009 – 31.03. 2012 Completed
11	Evaluation and utilization of algal seaweeds for biocides	MoEs, New Delhi- INR-2191056	1.06. 2009 – 31.05. 2012 Completed
12	Biodiversity of predatory hemipteran insects in southern western Ghats and their utility in biological control	MEFS, New Delhi - INR-1643866	1.09. 2009 – 30.08. 2012 completed
13	Socio-Economic empowerment of self-help group (SHG) women in STAND adopted villages through compost, biofertilizer, and biogas production in Tirunelveli district in Tamil Nadu	DST/TDD/2K12/173(G)- INR-3470000 *As Co-PI	July, 2013- June 2016 completed
14	Star College Scheme	BT/HRD/11/015/2014- INR-5800000 *Overall coordinator	2014-2015
15	Macro-algal seaweed tannins as Biopesticides for cotton pests and phytopathogens management	DBT, New Delhi- INR-2576800	1 st July 2016 16.09.2019 completed

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

PUBLICATIONS: BOOKS (07)			
S. No	Title of the Book	Publication	Year
1	Sahayaraj, K. Indian Insect Predators and Biological control (Editor)	<i>Dayas Publication</i> , New Delhi (ISBN 9788170353409). PP. 400	2004
2	Sahayaraj, K. 2007. Pest Control Mechanism of Reduviids	. Oxford Book Company, ABD Publisher, Jaipur (ISBN 978-81-89473-03-4). 2007, Pp. 240.	2007
3	Francis Borgio J, Sahayaraj K, and Alper Susurluk I. 2011. Microbial Insecticides: Principles and Applications	. NOVA Science Publisher, Inc., New York (ISBN: 978-1-61209-223-2), pp. 492	2011
4	Sahayaraj, K. and Sujatha, S. 2012. Temperature-dependent biology and	. Nova Publication, New York (ISBN: 978-1-61209-940-8).	2012

	physiology of predatory reduviids	Pp. 179	
5	Sahayaraj, K. 2014. Basic and applied aspects of Biopesticides (Editor)	(ISBN 978-81-322-1876-0-print and 978-81-322-1877-7 (eBook)), Springer India. Pp. 384. DOI 10.1007/978-81-322-1877-7	2014
6	Sahayaraj, K. 2016. Artificial Rearing of Reduviid Predators	Spriger Publishing Media, Sigapore , ISBN 978-981-10-2521-1. DOI: 10.1007/978-981-10-2522-8	2016
7	Sahayaraj, K. and Selvaraj, P. 2017. Biopesticides: Innovations and Practices	Smith and Franklin Books in Biosciences, United Kingdom, ISBN: 978-1-9164009-1-7 , pp.271.	2017

BOOK CHAPTERS (21)			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Sahayaraj, K. 2004. Predatory insects.	<i>Indian Insect Predators in Biological control.</i> (Sahayaraj, K. ed.) <i>Dayas Publication,</i>	ISBN: 8170353408 India. pp. 1 - 23
2	Sahayaraj, K. 2004. Reduviids in biological control.	<i>Indian Insect Predators in Biological control</i> (Sahayaraj, K. ed.) <i>Dayas Publication,</i> India.	ISBN: 8170353408 pp 134 – 166.
3	Selvaraj, P. and Sahayaraj, K. 2005. Effect of chosen fern extracts on the development of <i>Spodoptera litura</i> Fab..	Green pesticides for Insects Pests Management (Ignacimuthu S, Jeyaraj S eds.). Narosa Publishing House, Chennai	ISBN 8173196869 pp 85-90
4	Sahayaraj, K., Raju, G. and Borgio, J. F. 2006. Space, prey feed modulation, reduviid predator and its prey density on the reproductive potential of <i>Acanthaspis pedestris</i> Stal.	<i>Perspective in animal ecology and reproduction</i> (Volume 3) (Guptha VK, Verma AK eds.). Daya Publishing House, New Delhi.	ISBN 9788170354246 pp 289-309.
5	Sahayaraj, K, 2006. Ecological adaptive features of Hunter Reduviids (Heteroptera: Reduviidae: Reduviinae) and their biological contro.	<i>Perspective in animal ecology and reproduction</i> (Volume 3) (Guptha, VK and Verma AK eds.). Daya Publishing House, New Delhi.	ISBN 9788170354246 pp 22-49.
6	Sahayaraj, K. and Ravi, C.	<i>Perspective in animal</i>	ISBN 9788170354598 pp.

	2007. Small-scale mass production strategy for a reduviid predator <i>Rhynocoris longifrons</i> Stal (Heteroptera: Reduviidae).	<i>ecology and reproduction</i> (Volume 4) (Guptha, VK and Verma AK eds.). Daya Publishing House, New Delhi.	53- 81.
7	Sahayaraj, K 2007. Reproductive performance is a deciding factor for the utilization of hunter reduviids in biological control.	<i>Perspective in animal ecology and reproduction</i> (Volume 4) (Guptha, VK and Verma AK eds.).	In. <i>Perspective in animal ecology and reproduction</i> (Volume 4) (Guptha, VK and Verma AK eds.). Daya Publishing House, New Delhi. ISBN 9788170354598 8170354595 pp. 376 – 412.
8	Sahayaraj, K. and Nandagopal, V. 2008. Botanicals.	<i>Groundnut Entomology</i> (Nandagopal V, Gunathilagaraj K eds.).	Satish Serial Publishing House, Delhi. ISBN 8189304429 PP 373 - 388.
9	Francis Borgio J, Sahayaraj K. 2011. Mass production of Entomopathogenic Fungi.	<i>Microbial Insecticides: Principles and Applications</i> (Francis Borgio J, Sahayaraj K, Alper Susurluk I. Eds.).	Nova Publisher, New York, ISBN 978-1-61209-223-2 pp. 47-70.
10	Sahayaraj, K. and Rajesh, S. 2011. Bionanoparticles: synthesis and antimicrobial applications.	<i>Science against microbial pathogens: communicating current research and technological advances</i> (Antonio Méndez-Vilas ed.),	Formatex Research Center, Spain (Volume 1 ISBN (13): 978-84-939843-1-1), pp. 228-244.
11	K. Sahayaraj. 2012. Hunter reduviids in pest management for plantation crops,	<i>Selected Beneficial and harmful insects of Indian subcontinent</i> (Sabu Thomas, K. ed.),	Lap Lambert Academic GmbH & Co. KG, Publishing, Germany (ISBN-978-3-659-13068-7) pp. 58-69.
12	Sahayaraj, K. 2014. Animal and Plant insecticides for sustainable agriculture development.	Invention and innovation for sustainable development (P. Mosae Selvakumar, Israel V.M.V. Enoch and Daphy Louis Lovenia eds.), IRIS Publishher,	ISBN: 938054321-2, pp. 24-32.
13	Sahayaraj K, 2014: Reduviids and Their Merits in Biological Control.	<i>Basic and Applied Aspects of Biopesticides</i>	(ISBN 978-81-322-1877-7), Springer, India, pp. 195-214. https://doi.org/10.1007/978-81-322-1877-7_10
14	J. Alice R. P. Sujeetha and K. Sahayaraj. 2014. Role	In <i>Basic and Applied Aspects of</i>	Springer, India, pp. 31-46. DOI: 10.1007/978-81-322-

	of Entomopathogenic Fungus in Pest Management.	<i>Biopesticides</i> , K.Sahayaraj . ed.	1877-7_3
15	Sahayaraj, K. 2014. Nanotechnology and plant biopesticides: an overview,	Advances in Plant Biopesticides (Dwijendra Singh ed.)	Springer Publication (ISBN 978-81-322-2005-3), pp. 279-293. DOI: 10.1007/978-81-322-2006-0_14
16	Sahayaraj, K. 2014. Modulation of Botanicals on pest's biochemistry.	<i>Short Views on Insect Biochemistry and Molecular Biology Overview</i> , (Raman Chandrasekar, B.K. Tyagi, Zhong Zheng Gui and Gerald R. Reeck eds.)	International Book Mission- Academic Publisher, Tiruchirappalli, India, Volume 1 , 57-74 pp. DOI: 10.5772/16550
17	Sahayyaraj, K. 2015. Entomopathogens for cotton defoliators management.	In: Biological control of Lepidopteran pests (editors, K. Sowjanya Sree and Ajit Varma)	Springer, India, pp. 255-271, https://doi.org/10.1007/978-3-319-14499-3_12
18	Selvaraj, P. and Sahayaraj, K. 2018. Biotechnological options for the management of insect pests in agriculture.	Biopesticides: Innovations and Practices (Sahayaraj, K. and Selvaraj, P. eds.), Biopesticides: Innovations and Practices	Smith and Franklin Books in Biosciences, United Kingdom, ISBN: 978-1-9164009-1-7, pp. 1-12. DOI: 10.17582/books.Biopesticides/2017.chapter1
19	Sahayaraj, K. 2018. Pesticidal-bioassay for bio-nanomaterials.	Biopesticides: Innovations and Practices (Sahayaraj, K. and Selvaraj, P. eds.),	Smith and Franklin Books in Biosciences, United Kingdom, ISBN: 978-1-9164009-1-7, pp. 207-222. DOI: http://dx.doi.org/10.17582/books.Biopesticides/2017.chapter21
20	Seenivasagan, T. and Sahayaraj, K. 2018. Agro Nanomaterials: Past and Present Scenarios.	<i>Biopesticides: Innovations and Practices</i> (Sahayaraj, K. and Selvaraj, P. eds.), Biopesticides: Innovations and Practices	Smith and Franklin Books in Biosciences, United Kingdom, ISBN: 978-1-9164009-1-7, pp. 223-241. DOI: http://dx.doi.org/10.17582/books.Biopesticides/2017.chapter23
21	Sahayaraj, K. 2016. Bio-intensive integrated management of termites.	Sustainable Termite Management (Md. Aslam Khan and Wasim Ahmad eds.).	Springer International Publishing Ag, Cham. DOI: 10.1007/978-3-319-68726-1_7

PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
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1. Loko, Y. L. E., Toffa, J., Gavoeo, d. M., Kitherian, Sahayaraj, Orobiyi, A., & Tamò, M. (2022). Effect of population density on oviposition, development, and survival of *Alloeocranum biannulipes* (Hemiptera: Reduviidae) preying on *Dinoderus porcellus* (Coleoptera: Bostrichidae). *The Journal of Basic and Applied Zoology*, 83(1): 1-8. <https://doi.org/10.1186/s41936-022-00267-w>
2. Sahayaraj, K. and Merin Fernandez, S. 2020. The predation behavior and the prey size preferences of *Antilochus coquebertii* (Pyrrhocoridae) against *Dysdercus koenigii* (Pyrrhocoridae). *International Journal of Tropical Insect Science*, DOI: 10.1007/s42690-020-00387-2
3. Petchidurai, G., Chitra, R., and Sahayaraj K. 2019. Polymorphism of *Rhynocoris marginatus* (Fab.) (Heteroptera: Reduviidae) on the biology, biological control potential and molecular profile. *Journal of Biopesticides*, 12(1): 114-125.
4. Ganeshen Petchidurai, Nagoth Joseph Amruthraj, Maria Sindhura John, Kitherian Sahayaraj, Natesn Murugesan, and Sandra Pucciarelli. 2019. Standardization of quantification of total tannins, condensed tannin and soluble phlorotannins extracted from thirty-two drifted coastal macroalgae using high performance liquid chromatography. *Bioresource Technology Reports*. <https://doi.org/10.1016/j.biteb.2019.100273> (Citation Score : 6.3)
5. Sahayaraj Kitherian, Asharaja A, Ponsankar A, Martin Rathi J, Sengottayan Senthil Nathan. 2019. Behavioural response of *Caulerpa veravalensis* (Thivy and Chauhan) and their relative toxicity for their active compounds against nymph of *Dysdercus cingulatus* (Fab.) (Hemiptera: Pyrrhocoridae). *Journal of Asia-Pacific Entomology* doi.org/10.1016/j.aspen.2019.02.009. (IF: 1.303)
6. Athirstam Ponsankar, Kitherian Sahayaraj, Sengottayan Senthil-Nathan, Prabhakaran Vasantha-Srinivasan, Sengodan Karthi, Annamalai Thanigaivel, Ganesan Petchidurai, Mariappan Madasamy & Wayne B. Hunter. 2019. Toxicity and developmental effect of cucurbitacin E from *Citrullus colocynthis* L. (Cucurbitales: Cucurbitaceae) against *Spodoptera litura* Fab. and a non-target earthworm *Eisenia fetida* Savigny. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-019-04438-1> (IF: 4.223).
7. Kitherian Sahayaraj, Sathyamourthy Rajesh; Jesu Antony Martin Rathi; Vivek Kumar. 20018. Green preparation of seaweed-based silver nano-liquid for cotton pathogenic fungi management. *IET Nanobiotechnology*, DOI: [10.1049/iet-nbt.2018.5007](https://doi.org/10.1049/iet-nbt.2018.5007) (IF : 2.059)
8. Kitherian Sahayaraj, Natarajan Subash, Robert Allingham, Vivek Kumar, Pasco Avery, Lucky Mehra, Cindy McKenzie, Lance Osborne. 2018. Lethal and sub-lethal effects of three microbial biocontrol agents on *Spodoptera litura* and its natural predator *Rhynocoris kumarii*. *Insects* 9 (3): 101 doi:10.3390/insects9030101 (IF: 3.139)
9. Kitherian Sahayaraj, Vivek Kumar, Nazeera Banu, Pasco B. Avery, Anbu Radhika, Cindy L. McKenzie and Lance S. Osborne. 2018. Predation potential of *Rhynocoris marginatus* (Hemiptera: Reduviidae) against three mealybug species of agricultural importance. *Applied Entomology and Zoology*. DOI: 10.1007/s13355-018-0576-6 (IF : 1.403).

10. Sahayaraj, K. and S. Merin Fernandez. 2017. Life traits, and predatory potential of *Antilochus coqueberti* (Fab.) (Heteroptera: Pyrrhocoridae) against *Dysdercus koenigii* Fab. *Journal of Asia-Pacific Entomology*, 20(4): 1314-1320 (IF-**1.303**). <https://doi.org/10.1016/j.aspen.2017.09.014>
11. S. Radhika, K. Sahayaraj, S. Senthil-Nathan, W.B. Hunter. 2017. Individual and synergist activities of monocrotophos with neem based pesticide, Vijayneem against *Spodoptera litura* Fab. *Physiological and Molecular Plant Pathology*. 101: 54-68. <https://doi.org/10.1016/j.pmpp.2017.05.004> (IF: **2.747**)
12. Majesh Thomson, K. Sahayaraj, V. Kumar, Pasco B. Avery, Cindy L. McKenzie and Lance S. Osborne. 2017. Mass rearing and augmentative biological control evaluation of *Rhynocoris fuscipes* (Hemiptera: Reduviidae) against multiple pests of cotton. *Pest Management Science*, **73(8): 1743-1752**. DOI:10.1002/ps.4532 (IF: **4.845**)
13. S. Anbu Radhika, N. Sakthivel, and K. Sahayaraj. 2017. Acceptance of tertiary and non-food plants by eri silkworm, *Samia cynthia ricini* Boisduval (Lepidoptera: Saturniidae). *Munis Entomology and Zoology* 12 (1): 127-132. <http://www.munisentzool.org>
14. Ayyachamy, V. K., **Sahayaraj, K.**, & Rivers, D. B. 2016. Anti-aggregation and Cytolytic Behaviour of Venomous Saliva of *Rhynocoris fuscipes* (Fab.) (Hemiptera: Reduviidae) in Response to Its Prey Hemocytes. *Journal of the Entomological Research Society*, 18(3), 1–13. Retrieved from <https://entomol.org/journal/index.php/JERS/article/view/817> (IF: **0.4-0.55**)
15. Sahayaraj, K., Muthu Kumar, S. and Enkegaard, A. 2016. Response of the reduviid bug, *Rhynocoris marginatus*, to six different cotton pest species. *European Journal of Entomology*. **113**: 29–36 DOI: 10.14411/eje.2016.003. (IF :**1.061**).
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AS A RESOURCE PERSON (26)			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Chaired a session in National seminar on Biotechnological management of nematode pests and scope of entomopathogenic nematodes	Loyola College	21 – 22 November, 2005 at Casted Auditorium, Chennai

2	National symposium on Non-chemical insect pest management from	Loyola College	February 5 – 6, 2009 at Entomology Research Institute, , Chennai.
3	National conference on “Interplay of Chemical and Biological, Science”	Thiruvalluvar University	January 6 – 8, 2010 at Department of Zoology, , Vellore
4	State Level Seminar on “Recent trends in Microbiology”	Sadakathulla Appa College	12 th March, 2010; Tiruneveli.
5	National seminar on Harmful/beneficial insects of agricultural importance with special reference to the nuisance pest <i>Luprops tristis</i> in rubber plantations.	Kerala Science and Technology, Govt. of Kerala	On 17 to 18 th February 2011 at St. Joseph’s College, Calicut.
6	National Conference on Frontier Areas in Applied Zoology	UGC, Govt. of India.	15-17, March, 2012 at Ayya Nadar Janaki Ammal College, Sivakasi – 626 124
7	Chaired a session in National conference on biodiversity and bio-resources: A fragile balance.	UGC and DST, Govt. of India.	25-26, February, 2013, St. Xavier’s College, Palayamkottai-627002,
8	Chaired a symposium on Bionanomaterials for pest and disease management at Fourth Biopesticide International Conference.	CSIR and DST, Govt. of India.	28-30 November 2013, St. Xavier’s College, Palayamkottai-627002,
9	Chaired UGC sponsored National Seminar on Conservation and Sustainable Utilization of Marine Resources	UGC, Govt.of India	January 22-23, 2015, T.D.M.N.S.College, T.Kallikulam - 627 113, Tamil Nadu, India.
10	Chaired UGC <i>sponsored</i> national seminar on Innovations in students-centered teaching-learning process in 21 st century	UGC, Govt. of India	29-30 th January 2015, St. Xavier’s College, Palayamkottai-627002.
11	Chaired Phytochemical-based Pesticides Session in Insects and their environment Friendly Management	Entomology Research Institute, Loyola College, Chennai	1 st and 2 nd February 2018 at Entomology Research Institute, Loyola College, Chennai.
12	Co-chaired -Plant products in Vector & Disease management, National conference on Emerging trends in Phyto Pesticides and Pheromone Research	Annamalai University, Annamalainagar	3-4 January 2019, Annamalai University, Annamalainagar – 608002

	"PHYTOPHEROCON 2019		
13	Co-chaired–Natural Enemies session, BIOCICON2019	Chhattisgarh Science and Technology	AMITY Institute of Biotechnology, AMITY University, Chhattisgarh, from 6-8 March, 2019.
14	Chairs a session T3-11 - Interaction between plants and animals	XIX International Botanical Congress	29th July 2017 at China .
15	Co-chaired-Phytochemicals and antimicrobial activity at 7 th Global Conference on Applied Microbiology and Biotechnology	Global Conference Management	November 18-19, 2019 in Rome, Italy.
16	Integrated Pest Management	St. Joseph's College	Dept. of Botany, St. Joseph's College, Trichy – 2 on 06.02.1999.
17	Mass multiplication of reduviid bugs	TNAU, Govt. of Tamil Nadu	Central Integrated Pest Management Center, Trichy – 620 020 on 01.10.1997
18	Insect Control	St. Mary's College	Dept. of Chemistry, St. Mary's College, Tuticorin – 627 001 on 19.12.1994.
19	Sericulture	St. Joseph's College	SHEPHERD Training Programme in sericulture, St. Joseph's College, Trichy – 620 002 on 19.12.1994
20	Save small animals and Ecological balance	Arul Anandar College	Dept. of English, Arul Anandar College, Karumathur – 626 514, 1993.
21	Biological control of <i>Helicoverpa armigera</i> Hubner by three assassin bugs	TNAU	Regional research station, Virudhachalam 606 001 on 10th March 1992
22	Bioinformatics – Basic Concepts	St. Xavier's College	St. Xavier's College, Palayamkottai on March 2006
23	Insect Bio resources In Vocational Training Programme on Bio resources	St. John's College	St. John's College, Palayamkottai on 16.05.2006.
24	Green Biopesticides	St. Mary's College	Department of Chemistry, St. Mary's College, Thoothukudi on 2 nd March 2007
25	Bioinformatics – basic and	Sara Tucker College	Sara Tucker College

	applied		(Autonomous), Tiruneveli on 1.2.2012
26	Biological application of bugs, Dr. Salim Ali Zoological Society	Dr. Zadir Hu College	Dr. Zadir Hu College, Ilayankudi on 4.10.2012
27	Major and minor research project for staff members	Sadakadulla Appa College	Sadakadulla Appa College, Palayamkottai
28	Bioinformatics-Alignment	VOC College	VOC College, Thoothukudi on 19.10.2012
29	Inaugural Address (Employability of Agriculture Graduates)	TNAU	Agriculture College and Research Institute (TNAU), Killikulam on 25.03.2014
30	Valedictory address –Bio-Nanomaterial's, Zoology Association	St. Jude's College	St. Jude's College, Thoothur on 13.02.2017.
31	Moth Awareness Programme - Moth distribution, diversity and Conservation	Govt. of Tamil Nadu	Govt. Museum, Palayamkottai on 10 th August 2018.
32	Utilization of phytoecdysteroids (PEs) in ecofriendly pest management in National symposium on Non-chemical insect pest management	Loyola College	February 5 – 6, 2009 at Entomology Research Institute, Chennai – 600 034
33	Insect resistant crops – a need for next green revaluation – in National conference on Biotechnological approaches to next green revolution	Loyola College	March 2 – 3, 2009 at Department of Plant Biology and Biotechnology, Chennai – 600 034.
34	<i>Rhynocoris marginatus</i> (Fab). (Hemiptera : Reduviidae) a potential biological control agent for pest management National conference on interplay of chemical and biological science	Thiruvalluvar University	January 6 – 8, 2010, Department of Zoology, Vellore.
35	Formulation of botanicals for pest management. Entrepreneurship development programme manual for biologists.	Govt. of Tamil Nadu	September 23-25 2009; Govt Arts College for men (Autonomous), Nandanam, Chennai 600 035.
36	“Botanical-based Biopesticides in Insect Pest	DST, Govt. of India	17.12.2009 at School of Chemistry, Madurai

	Management' was delivered to DST sponsored SERC school of Green Chemistry		Kamaraj University, Madurai.
37	<i>Metarhizium anisophylae</i> (Metschnikof) Sorokin – biological control potential basic and applied aspects - State Level Senior on Recent Trends in Microbiology	Sadakadulla Appa College	Palayamkottai; 12 th March 2010
38	Hunter reduviids in pest management for plantation crops. National seminar on Harmful/beneficial insects of agricultural importance with special reference to the nuisance pest <i>Luprops tristis</i> in rubber plantations.	Govt. Arts College	Calicut, 17 to 18 th February 2011
39	Key Note Address on Utilization of Hunter Reduviids in Pest Management Programme, National Conference on Frontier Areas in Applied Zoology	UGC, Govt. of India.	15-17, March, 2012 at Ayya Nadar Janaki Ammal College, Sivakasi – 626 124
40	Invited Lecture on Bionano materials: synthesis and application at National seminar on New Materials Research and Nano technology	Govt. Arts College	Ooty, Tamil Nadu; September 12-14, 2012
41	Invited lecture on Multifaceted Diversity and Utilization of Hunter Reduviids in pest management in National Conference on Biodiversity conservation, and sustainable utilization	Pasumpon Thiru Muthuramalinga Thevar Memorial College	Department of Botany, Kamuthi, Tamil Nadu October 11-12, 2012
42	Bionanomaterials at National symposium on Nanoscience"	St. Mary's College (Autonomous)	Tuticorin; November 29, 2012
43	Invited lecture on Insect threads and benefits in agriculture in the National Seminar on Environmental education – challenges and practices	UGC, Govt. of India	St. Xavier's College, Palayamkottai on 10 th January, 2013
44	Plenary address on Marine macroalgae for cotton	Periyar University	Salem, Tamil Nadu, India 20 th August 2013

	disease management, Plenary address at National Symposium on “ <i>Herbs: A Natural wonder for disease and pest control</i> ”		
45	Invited lecture on Bionanomaterials for sustainable development. National Symposium on “Biotechnology for Sustainable Community Livelihood (BSCL-2014)”	Annai Velankanni College	Tholayavattam, Tamil Nadu, India; 24th January 2014
46	Invited lecture on Conservation of marine algae in UGC sponsored National Seminar on Conservation and Sustainable Utilization of Marine Resources	T.D.M.N.S.College	T.Kallikulam - 627 113, Tamil Nadu, India January 22-23, 2015
47	Invited lecture -Insect as natural bio-resources in State Level Seminar on Applied Zoology	Annai Velankanni College	Tholayavattam-629 187 on 18 th September, 2015.
48	Invited lecture on Research Funding –for Faculty members of Sciences	MDT Hindu College	Tirunelveli-10 on 22.9.2015
49	Valedictory address National seminar on bio-enteropneusticship.	Holy Cross College	Tiruchiorapalli, 12/2/2016
50	Invited lecture on Reduviids: an ignored bio-control agent in pest management, Post-graduate students specialization in Entomology	Kerala Forest Research Institute	Thurssure on 21 st March, 2016
51	Invited lecture on Bionanomaterials in Seminar on Industrial Process and Bionanomaterials	Govindammal Aditanar College for Women	Tiruchendur-628215 on 25/1/201.
52	Keynote address: Chemical language of plant communication at Multidisciplinary National Conference on research in present scenario -	Nesamony Memorial Christian College	Marthandam-629165 on 27/1/2017
53	Invited lecture on – Entomology in UGC choice-based credit system (CCS) curriculum at	UGC, New Delhi	Madras Christian College, Chennai on 23-24, February, 2017.

	Discussion Meeting on Entomology Curriculum in Institutions of Higher Learning		
54	Keynote address: Tannins of macro algal seaweeds and their biological value in Current Research on Algae Biology and Biomass: CRABB-2017 conference	Ramachandra College of Engineering	Eluru, Andhra Pradesh, India during 7th & 8th April 2017
55	Invited lecture: "Biologically important and non-important macro algal seaweeds in Tamil Nadu coastline" National symposium on 'Algal Diversity and Resource Status: Current Trends in Utilization and Prospects for Innovation'	V.O. Chidambaram College	Tuticorin-628 008 from 21-23 October, 2017
56	Invited Lectures: Science Academies Refresher Course on Bioresource: Prospecting, Utilization and Conservation" on - Reduviid predators : a good natural enemy to pestiferous insects, Utilization of indigenous plants in pest management, Seaweeds for insect pests and phytopathogens reduction and Founding opportunities for biologists.	IASc, INSA, NASI, India	10 th November 2017 at Department of Zoology, Saiva Bhanu Kshatriya College, Aruppukottai, Tamil Nadu
57	Special lecture on "Scientific Issues for the Development of the Nation" during Science Day	Sri Parasakthi College for Women	Courtallam on 14.02.2018.
58	Keynote address: Biopesticidal values of Marine Macroalgae in Plant Protection, National conference on Emerging trends in Phyto Pesticides and Pheromone Research "PHYTOPHEROCON 2019"	Annamalai University	Annamalainagar – 608002; 3-4 January 2019

58	Resource Person: Reduviid as a bio-agent, Refresher Course in Life Science	UGC, Govt. of India	Academic Staff College, MK University, Madurai on 12.3.2020
59	Resource person: Biopesticides	St. Jude's College	Thoothoor-629176 07.07.2020
60	Co-chaired-Natural Enemies session, BIOCON2019,	Chattishgarh Science and Technology	AMITY Institute of Biotechnology, AMITY University, Chattishgarh, 6-8 March, 2019.
61	Resource person: Bionanomaterials for Pest Management at International webinar series on Bioscience: a glance in sharing and learning"	St. Josephs College	Trichy-620002 on 25.6.2020.
62	Keynote address: Cotton Phytopathogens and their management		7 th Global conference on applied biotechnology and microbiology, Rome – November 18-19, 2019.

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National (02) International ()**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Resource person: Grasshoppers and Locust – their pest status in India at webinar series on Locust invasion of Indian Agriculture	Nesamany Memorial Christian College	Marthandam-629165 on 17.6.2020.
2	Resource person: Locusts and its management at National webinar	ST. Hindu College	Nagercoil on 20.6.2020

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
ATTENDED:**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

COUNTRIES VISITED			
1	Vienna, Austria	October, 19-22, 2010	To attend IOBC-AMRQC Working Group Conference
2	Shenzhen, China	July, 23-29, 2017	To attend XIX International Botanical Congress
3	Rome, Italy	November 18-19, 2019	To attend 7 th Global Conference on Applied Microbiology and Biotechnology

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)

Date: 30/07/2022

Name: K.Sahayaraj