



CURRICULUM VITAE

Of

Dr. H. Ravi Kumar

M.Sc., M.Phil., Ph.D.,

Assistant Professor

(UGC- Innovative Programme)

Department of Life Science

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Recipient of

K.P SINHA- P.S. KRISHNAN AWARD

(Association of Clinical Biochemists of India)

OBJECTIVE

To build a good career in the field of interdisciplinary “Biological Sciences” and work independently or in groups, think positively and creatively and execute the positive ideas into experimental ones.

PERSONAL DETAILS

Date of Birth: 24-09-1979

Father’s Name: Hemagiri Gowda

Current position: Assistant Professor, (UGC Innovative Programme PGD in CEART)
Dept. of Life Science, Bangalore University

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ACADEMIC RECORD

Degree secured	University	Year of award	Subjects
NET/SLET/SET	KSET-University of Mysore	2016	Life Science
Ph.D	Bangalore University	2012	Biochemistry
M.Phil.	Bharathidasan University	2006	Biochemistry
M.Sc.	Bangalore University	2005	Biochemistry
B.Sc.	V.V Puram College of Science Bangalore University	2002	Chemistry Botany and Biotechnology

TEACHING EXPERIENCE

No	Institute/ University	Designation	Duration	
			From	To
1	Dept. of Life Sciences, Bangalore University, Bangalore560056	Assistant Professor PGD in CEART	23/08/2016	Till dated
2	Dept. of Life Sciences : M.Sc., Life Science & Integrated B.Sc- M.Sc. in Biological	Full Time Guest Faculty	20/07/2015	25/05/2016
3	Division of Biological Sciences Bangalore University, Bangalore560056	Full /Part Time Guest Faculty	01.08.2007	31.05.2010

RESEARCH EXPERIENCE

Sl. No	Research position held	Duration	Details
01	Research Associate-ICMR	3years (2012 -2015)	“Bio-Manipulation Of <i>Aedes</i> Mosquitoes to Reduce Adult Mosquito Life Span And Inhibit Viral Competence through <i>Wolbachia</i> Transfection” funded by ICMR, New Delhi, to Division of Biological Sciences, Bangalore University
02	Junior Research Fellow	2 years (2010 -2012)	“Characterisation of genetic diversity of <i>E. sorbillans</i> and its symbionts <i>Wolbachia</i> and enhancement of parasitisation capacity of its parasitoid <i>N.thymus</i> ” funded by DST, New Delhi, Division of Biological Sciences, Bangalore University
03	Research Assistant	1 years (2006 –2007)	In the Project entitled “HIV1 & HIV2 Co-infection and Neurological progression” (INDO-US project, RO1 Grant) in Dept of Neurochemistry and Neurology, NIMHANS

ADDITIONAL QUALIFICATION

A certificate course on “Care, Breeding and Management of Laboratory Animals” from Central Animal Research Facility, at NIMHANS, Bangalore.

AWARDS

Year	Name of the award	Distinction for which the award was made
2021	Karnataka Excellence Awards in Biochemistry-	The NGO is registered under the Trust Act, 1882 of India, Nitti Aayog Government of India and Ministry of Social Justice and Empowerment Government of India, VCPEM is also an ISO 9001:2015 Certified NGO
2008	“K.P SINHA- P.S. KRISHNAN AWARD”	Received “Best Research Paper Award” by the Association of Clinical Biochemists of India, for my research article published in Indian Journal of Clinical Biochemistry.
2008	ACBI Travel Fellowship Award	Recipient of the ACBI Travel Fellowship Award, to attend the 35th Annual Conference held at Kolkata, Organized by Association of Clinical Biochemists of India,.
2014	“Best Poster Award”	Received “Best Poster Award” in National Symposium on Innovations in Science and Technology for Inclusive Development, held at Dept. of Studies in Zoology, University of Mysore, Mysore.

Academic Responsibilities

Deputy Custodian (Examination)	Integrated M.Sc. in Biological Sciences	Academic year 2014-15
Assistant Custodian (Examination)	Central Science Valuation Unit, Bangalore University, Bangalore	December-2013/ January-2014 Examination

Professional Assignments

No	Assignment	University	Year
1	Member, Board of Examiner (BOE) of Assisted Reproductive Technology & Embryology	University of Mysore	2022-2023
2	Member, Board of Examiner (BOE) of Assisted Reproductive Technology & Embryology	University of Mysore	2021-2022
3	Member, Board of Examiner (BOE) of Assisted Reproductive Technology & Embryology	University of Mysore	2019-2020
4	Member, Board of Examiner (BOE) of Assisted Reproductive Technology & Embryology	University of Mysore	2020-2021

Workshop Conducted

Sl. No.	Particulars	Responsibility	Duration
01	"Biophysics Tools and Techniques" Dept. of physics in collaboration with the Dept. Of Life science, Bangalore University, Bangalore	Co-convenor	05 day Workshop 29th October to 2nd November 2018
02	Fourth International Conference-2016	Technical Committee Member	2 days -26 th – 27 th August, 2016
03	DST INSPIRE Science Camp – 2011	Co-organizing Secretary	5 days – 02 nd – 06 th May, 2011
04	DST INSPIRE Science Camp – 2012	Co-organizing Secretary	5 days - 18 th – 22 nd January, 2012
05	DST INSPIRE Science Camp – 2012	Co-organizing Secretary	5 days - 24 th – 28 th September, 2012
06	DST INSPIRE Science Camp – 2013	Co-organizing Secretary	5 days - 08 th – 12 th October, 2013

National & International Conferences attended

Conference Details	Title of Paper	Presentation type
107th Indian Science Congress to be held in University of Agricultural Sciences, Bangalore from January 03 to 07, 2020.	Phytochemicals from <i>Ruta graveolens</i> leaf retard cancer cells growth through proliferation inhibition in vitro	Oral Presentation
KISAR-2018, 07 th Annual conference, held at Hotel Le Meridien, Bengaluru, on 14 th & 15 July 2018	Delegate	Attended
Internatinal conference on phytomedicine, held at Bharathiar University, Coimbatore on 29 th to 31 st August- 2018	“Characterization of crystals isolated from the <i>Caesalpinia sappan</i> seeds: a comparative Insilco analysis on bioactivity of sappan diterpenoids”	Poster
National Symposium on Innovations in Science and Technology for Inclusive Development 3rd-4th January-2014, held at Dept. of Studies in Zoology, University of Mysore, Mysore	Can the fatal mosquito vector <i>Mansonia</i> be biologically controlled through <i>Wolbachia</i> and Phage WO infections	Poster
4th International conference on Insect Science, organized by University of Agricultural, Sciences, GKVK, 14th-17th February, 2013 held at Bangalore, India	<i>Wolbachia</i> Endosymbiont and phage WO association in storage pests from India	Oral
6th Conference of Medical Arthropodology organized at, Center for Research in Medical Entomology, ICMR, 18-19 October, 2012,	Reproductive Regulation in <i>Aedes albopictus</i> mosquitoes by <i>Wolbachia</i> Endosymbiont	Oral
National Seminar on Advances in Zoology and Life processes , 09-11th, February, 2012 in the Department of Studies in Zoology, Goa	Expression of cytoplasmic incompatibility in <i>Culex quinquefasciatus</i> mosquito from Pondicherry and Karnataka,	Poster
International Conference on Environmental Pollution, Water Conservation & Health, 29-31st July, 2010 in the Department of Studies in Zoology Bangalore University, Bangalore, India	Evidence of <i>Wolbachia</i> symbiosis in <i>Aedes</i> mosquitoes from Karnataka Indian	Poster
International Conference on Current Trends in Chemistry and	Distribution & Diversity of <i>Wolbachia</i> Endosymbiont & Bacteriophage WO	Poster

Biochemistry, 18 & 19th, December, 2009 in the Department of Studies in Chemistry, Central college campus, Bangalore University, Bangalore, India	infection in some Indian mosquitoes (<i>Diptera: Culicidae</i>)	
International conference on envocHealth, 16th to 19th, September, 2009, hosted by ROHC NIOH/ ICMR, Bangalore, India.	Detection of <i>Wolbachia</i> Endosymbiont in some Indian mosquitoes (<i>Diptera: Culicidae</i>) of Medical Importance	Poster

Workshops Attended More than One Week

Workshop Details	Duration	Year
National Workshop on Advanced Molecular Techniques in Biosciences Organized by Dept. of Biotechnology, PES Institute of Technology, Bangalore, sponsored by TEQIP-II and UGC-SWRRO, New Delhi, India	24 th to 30 th June	2013
Laboratory Training Course on Application of Genomic Technologies in Malaria Research, Organized by National Institute of Malaria Research, New Delhi, India	18 th November to 1 st December	2012
Workshop on "Evolutionary, Classical and Molecular Genetics of Drosophila" held in DST unit on Evolution and Genetics, Department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore, From, 2009.	25 th May to 1 st June	2009

Workshops Attended Less than One Week

Workshop on "Recent advances in HPLC Methodology in Laboratory Medicine and Research" Organized by Dept. of Central Research laboratory, RR Medical College and Hospital in association with ACBI, Bangaluru chapter	28 th to 29 th January	2015
National Workshop on "Frontiers in Cell biology and Biotechnology Organized by Dept. of Biotechnology, Bangalore University and DST, New Delhi, India	28 th to 29 th December	2012
National level workshop on "Animal Cell Culture Techniques" held in Department of Biotechnology, Sapthagiri College of Engineering, Bangaluru.	13 th to 15 th September	2012
Workshop on "Fluorescence in situ hybridization(FISH) and its application in clinical cytogenetics" at the Centre for Human Genetics, Bangalore.	13 th to 14 th March	2012
Workshop on Bioinformatics, organized by Department of Biotechnology, Visveswapura College of Science and Bangalore University, Bangalore	23 rd - 27 th February	2007
Workshop on Inborn metabolism, organized by ACBICON, Dept. of Neurochemistry, NIMHANS, Bangalore	19 th - 22 nd January	2004

Orientation Programme and Refresher Course

Particulars	Duration
Refresher course in Life Science at HRDC Academic Staff college, Bangalore University, Bangalore and obtained A grade	Two Weeks 04 th to 16 th July 2022
Refresher course in Biological sciences at HRDC Academic Staff college, Bangalore University, Bangalore and obtained A grade	Twenty One Days (21 days) 19 th Feb 2018 to 10 th March 2018
Orientation Programme at HRDC Academic Staff college, Bangalore University, Bangalore and obtained A grade	Twenty Eight Days (28 days) 10 th Nov to 8 th Dec 2016

RESEARCH PROJECTS / SCHEMES / UNDERTAKEN AND ITS STAGE OF PROGRESS ACHIEVED

Sl. No.	Title of the Project / Scheme /Name /s of the Coordinators	Names of the Teachers involved	Funding Agency	Duration	Total Amount sanctioned	Stage of Progress
1	Identification of anti-breast cancer agent(s) from <i>Ruta graveolens</i> leaf	Dr. Ravikumar. H Co-PI	ICMR	03 Years	Rs. 16,4400/-	On going
2	In vitro wound healing potential and identification of bioactive compounds from <i>Ruta graveolens</i> Extract.	Dr. Ravikumar. H PI	UGC-BSR Research Start-Up Grant	02 Years	Rs.10,00,000/-	Completed

Membership of Professional Societies

No	Name of the Society	Membership	
1	Indian Society For Assisted Reproduction (ISAR)	ISAR-004693	Life Member
2	Indian Science Congress Association (ISCA)	ISCA-L33134 (New Biology)	Life Member

Research Papers in Peer-Reviewed/Referred/ UGC listed Journals

SlNo.	Title of Paper	Name of Journal& ISSN No.	Date of Publication and impact factor if any(Thomson Reuters Only)	Vol.Issue Number
1	Green route synthesis of copper oxide nanoparticles using <i>Vitex altissima [L]</i> leaves extract and their potential anticancer activity against A549 cell lines and its apoptosis induction	Inorganic and Nano-Metal Chemistry	2022 & Impact factor 1.5	https://doi.org/10.1080/24701556.2022.2081195
2	Anticoagulant and Fibrinolytic Properties of Seed Extract of <i>Psidium guajava</i>	Indian J Pharm Science	2021 & : Impact factor 0.721	83(5):918-924
3	Thrombin- and plasmin-like and platelet-aggregation-inducing activities of <i>Plumeria alba L.</i> latex: Action of cysteine protease	Journal of Ethnopharmacology	2021 & Impact factor 3.690	https://doi.org/10.1016/j.jep.2021.114000
4	Anticoagulant And Fibrinolytic Protease From <i>Leucas Aspera</i>	International Journal of Pharmaceutical Sciences and Research	2021 & Impact factor 0.27	12(3): 1000-07. doi:10.13040/IJPSR.09758232.12(3).1000-07.
5	A new knockdown resistance (kdr) mutation, F1534L, in the voltage-gated sodium channel of <i>Aedes aegypti</i> , co-occurring with F1534C, S989P and V1016G	Parasites & Vectors	2020 & Impact factor 3.430	13:327 https://doi.org/10.1186/s13071-020-04201-3
6	The hemostatic activity of <i>Manilkara zapota (L.) P. Royen</i> latex associated with fibrinolytic activity	Plant Science Today & 2348-1900	2020	7(3): 469–475 https://doi.org/10.14719/pst.2020.7.3.775
7	Potent Procoagulant and Platelet Aggregation Inducing Serine Protease from <i>Tridax procumbens</i> Extract	Pharmacogn. Res. & 0976-4836	2019	11(4) 363-370
8	Facile Green Synthesis of SnO ₂ NPs Using <i>Vitex altissima (L.)</i> Leaves Extracts: Characterization and Evaluation of Antibacterial and Anticancer Properties	Journal of Cluster Science & 10407278	2019 & Impact factor 2.125	30(2) 431-437
9	Molecular phylogenetic affiliation of <i>Wolbachia</i> and phage WO in storage pests from India	Indian Journal of Biotechnology & 09725849	2018 & Impact factor 0.343	17(3) 514-519

10	Status of DDT and pyrethroid resistance in Indian <i>Aedes albopictus</i> and absence of knockdown resistance (kdr) mutation	Journal of Vector Borne Diseases & 09729062	March 2015 & Impact factor 0.81	52 (1). 95–98
11	Molecular phylogenetic affiliation of <i>Wolbachia</i> and phage WO among <i>Mansonia</i> mosquitoes from Kerala	Journal of Vector Borne Diseases & 09729062	September 2015 & Impact factor 0.81	52 (3) 257-260
12	Sex ratio distortion in the <i>Nesolynx thymus</i> (Hymenoptera: Eulophidae), an ecto-pupal parasitoid of uzifly, <i>Exorista sorbillans</i> (Diptera: Tachinidae)	European Journal of Entomology & 18028829	August 2014 & Impact factor 1.061	111 (4); 453–456
13	Evaluation of catecholamines and Aminoacids from venom reservoir extract of Indian honeybee (<i>Apis</i>) s	Journal of Apicultural Research & 00218839	2014 & Impact factor 1.531	53 (5); 514-519
14	Comparative morphometric studies of the Sting apparatus of the worker bees of four different <i>Apis</i> sp	Journal of Apicultural Research & 00218839	2013 & Impact factor 1.531	52 (2); 74–80
15	Molecular subgrouping of <i>Wolbachia</i> And bacteriophage WO infection among some Indian <i>Drosophila</i> species	Journal of Genetics & 00221333	2011 & Impact factor 1.086	90(3); 507–510
16	A preliminary survey for <i>Wolbachia</i> and bacteriophage WO infections in Indian mosquitoes (Diptera: Culicidae)	Tropical Biomedicine & 01275720	2010 & Impact factor 0.649	27 (3); 384–393
17	HIV-1 clade C infection and progressive disruption in the relationship between cortisol, DHEAS and CD4 cell numbers: A two-year follow-up study	Clinica Chimica Acta & 00098981	1 st July 2009 & Impact factor 2.535	409(1 2); 4-10
18	A Sensitive Assay for Ornithine Amino Transferase in Rat Brain Mitochondria by Ninhydrin Method	Journal of Clinical Biochemistry & 09701915	2009	24 (3); 275-279
19	Progressive dysregulation of autonomic and HPA axis functions in HIV-1 clade C infection in South India	Psychoneuro Endocrinology & 03064530	January 2008 & Impact factor 4.850	30(1); 30-40
20	Effect of pH on Spectral Characteristics of P5C-Ninhydrin Derivative: Application in the Assay of Ornithine Amino Transferase Activity from Tissue Lysate	Journal of Clinical Biochemistry & 09701915	2008	23 (2); 117-122

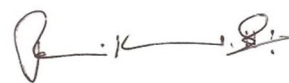
Popular Science Article				
01	Metapopulation biology of the Indian <i>uzifly</i> , <i>Exorista sorbillans</i> (Wiedemann)(Diptera: Tachinidae)	The Tachinid Times News letter & 1925-3443	2013	February issue 26
Book Chapters				
01	Evaluating the Lipid Profile and Mineral Composition of the Seed Oil of <i>Caesalpinia sappan L.</i> (Caesalpinaceae)	Karuppusamy Arunachalam et al. (eds.),	2022	https://doi.org/10.1007/978-1-0716-2683-2_5 ,
02	Purification and Characterization of a Cysteine Protease from <i>Sprouted L. ablabpurpureus</i> Seed Radicle Extract: Its Effect on Blood Coagulation	Natural Product Experiments in Drug Discovery,	2022	https://doi.org/10.1007/978-1-0716-2683-2_19 ,
03	Characterization of Crystals Isolated from the <i>Caesalpinia sappan</i> Seeds: A Comparative In Silico Analysis on Bioactivity of <i>Sappan</i> Diterpenoids	Springer Protocols Handbooks, © The Author(s),	2022	https://doi.org/10.1007/978-1-0716-2683-2_25 ,
04	Gas Chromatography-Mass Spectrometry Analysis of Phytoconstituents from Garciniagummi-gutta Seed Extract: Trypsin Inhibition Study of Extract and Molecular Docking Study	under exclusive license to Springer Science+Business Media, LLC, part of Springer Nature 2022	2022	https://doi.org/10.1007/978-1-0716-2683-2_28 ,

DECLARATION

I hereby declare that the above given information is true to the best of my knowledge.

Date: 17/12/2022

Place: Bangalore



Candidate Signature