

## Dr Muhammed Zafar Iqbal Navalgund



Basic Details	
Subject	ZOOLOGY
Designation	Associate Professor & Head
Office Address	Department of Studies in Zoology Government Science College CHITRADURGA – 577 511, Karnataka, India
Permanent Address	Baitul Hamd Plot No. 50, 1 <sup>st</sup> Phase, 3 <sup>rd</sup> main Opp. Kelgeri Tank, Gayatripuram Dharwad – 580 007
Contact Number	+91-9481927388
Email ID	zafarin@gmail.com <a href="mailto:muhammed.771@ka.gov.in">muhammed.771@ka.gov.in</a>
Personal website	<a href="https://sites.google.com/view/zafarnavalgund/home">https://sites.google.com/view/zafarnavalgund/home</a>
ORCID	0000-0002-7616-1228
Researcher ID	<a href="http://www.researcherid.com/rid/Z-1985-2018">http://www.researcherid.com/rid/Z-1985-2018</a>

Qualification	
B.Sc.	Kittel Science College, Dharwad Karnataka University, Dharwad
M.Sc.	Department of Studies in Zoology Karnataka University, Dharwad
CSIR-NET – Life Sciences	Jointly conducted by Council of Scientific & Industrial Research, New Delhi University Grants Commission
Ph.D.	CSIR – National Institute of Oceanography

	Dona Paula, Goa
--	-----------------

### Research Interests

- Molecular Biology & Molecular Cytogenetics
- Nanomaterials & their biological applications
- Genotoxicology & ImmunoToxicology

### Teaching Experience (Total Experience 13 years UG & PG)

<b>Government Arts &amp; Science College, Karwar (RUSA Funded, NAAC "A" Grade College)</b>	<b>Undergraduate Course</b> Worked as Assistant Professor of Zoology <ol style="list-style-type: none"> <li>1. 24th December 2007 to 31 July 2015</li> <li>2. 9th December 2018 to 19th May 2020</li> </ol>
	<b>Postgraduate Course (Coordinator)</b> 1st August 2015 to 8th December 2018
<b>Government Science College, Chitradurga (RUSA Funded, NAAC "A" Grade College)</b>	<b>Undergraduate Course</b> 04-05-2022 TO till date

### Administrative Experience (Total Experience 02 Years)

<b>Academic Nodal Officer</b>  Office of the Regional Joint Director Department of Collegiate Education Dharwad	20th May 2020 to 30th April 2022
---	----------------------------------

### Research Experience (Total Experience 20 years)

<b>Summer Research Fellow (Indian Academy of Sciences)</b>	Department of Zoology, Karnataka University Dharwad
<b>Junior Research Fellow</b>	CSIR – National Institute of Oceanography Dona Paula, Goa  October 2002 to June 2005
<b>Senior Research Fellow</b>	CSIR – National Institute of Oceanography Dona Paula  October 2005 to June 2007
<b>Assistant Professor</b>	Department of Zoology, Government Arts & Science College Karwar  January 2008 – April 2020

### Research Grants Received

<b>Funding Agency</b>	<b>Duration</b>	<b>Amount</b>	<b>Title</b>
<b>UGC Minor Research Project Principal Investigator</b>	2011-2013	200000	Studies on the Genotoxic and Immuno - Cytotoxic potentials of triazines on the Estuarian Pelecypoda
<b>VGST – TRIP Government of Karnataka</b>	2016 - 2017	40000	Exploring the Genotoxic Potential of Dichlorovos on the clams

### Awards & Fellowships

<b>Summer Research Fellow</b>	Indian Academy of Sciences
<b>Junior Research Fellow</b>	CSIR – National Institute of Oceanography
<b>Senior Research Fellow</b>	CSIR – National Institute of Oceanography

<b>Cash Prize for Scoring Highest marks in Zoology at B.Sc.</b>	Kittel Science College Dharwad (Karnataka University, Dharwad)

<b>Research Guidance for M.Sc. Dissertation</b>				
<b>Sl. No.</b>	<b>Reg. No.</b>	<b>Name of the Student</b>	<b>Title of M.Sc. Dissertation</b>	<b>Yr.</b>
1	15S19054	AMIT A HEGDE	MORPHOLOGICAL DEFORMITIES IN ANURANS FOUND IN PADDY FIELDS IN SOUTHERN INDIA. MANIMUTHURU, TN.	2017
2	15S19055	AMIT TORAGAL	In Vivo MN ASSAY AS AN INDICATOR FOR GENOTOXICITY OF AN ORGANOPHOSPHATE ON Meretrix meretrix (Linnaeus 1758)	2017
3	15S19056	ANUPAMA M HINI	In Vivo MN ASSAY AS AN INDICATOR FOR GENOTOXICITY OF AN ORGANOPHOSPHATE ON Meretrix meretrix (Linnaeus 1758)	2017
4	15S19057	DYAMAVV AN MAROL	SOME CYTOGENETIC STUDIES IN Meretrix meretrix (Linnaeus 1758) AND Paphia malabarica (Dillwyn, 1817) FROM KARWAR COAST	2017
5	15S19058	KANTESH N KALLED	SOME CYTOGENETIC STUDIES IN Meretrix meretrix (Linnaeus 1758) AND Paphia malabarica (Dillwyn, 1817) FROM KARWAR COAST	2017
6	15S19059	PATIL NAMBRATA	In Vivo MN ASSAY AS AN INDICATOR FOR GENOTOXICITY OF AN ORGANOPHOSPHATE ON Meretrix meretrix (Linnaeus 1758)	2017
7	15S19060	RASUL CHAMLAPUR	SOME CYTOGENETIC STUDIES IN Meretrix meretrix (Linnaeus 1758) AND Paphia malabarica (Dillwyn, 1817) FROM KARWAR COAST	2017
8	15S19062	SAVITA PATTENSHETTI	In Vivo MN ASSAY AS AN INDICATOR FOR GENOTOXICITY OF AN ORGANOPHOSPHATE ON Meretrix meretrix (Linnaeus 1758)	2017

9	15S190 63	SHILPA Y.C.	SOME CYTOGENETIC STUDIES IN <i>Meretrix meretrix</i> (Linnaeus 1758) AND <i>Paphia malabarica</i> (Dillwyn, 1817) FROM KARWAR COAST	201 7
10	15S190 65	VIDYA L HOSAGOU DAR	SOME CYTOGENETIC STUDIES IN <i>Meretrix meretrix</i> (Linnaeus 1758) AND <i>Paphia malabarica</i> (Dillwyn, 1817) FROM KARWAR COAST	201 7
11	16PZ01	AKSHATA A NAIK	ECOLOGICAL AND ETHOLOGICAL STUDIES ON ASIAN WEAVER ANT ( <i>Oecophylla smaragdina</i> )	201 8
12	16PZ02	ASHWINI P MADANUR	STUDIES ON MORPHOMETRY AND DIVERSITY OF BRACHYURAN CRABS FROM KARWAR COAST	201 8
13	16PZ03	CAROL S REGO	DIVERSITY OF GASTROPODS AND PELECYPODS ALONG THE COASTAL OF KARWAR	201 8
14	16PZ04	KIRAN KUMAR HUGAR	DIVERSITY OF GASTROPODS AND PELECYPODS ALONG THE COASTAL OF KARWAR	201 8
15	16PZ05	PRASAD F SAUNSHI	STUDIES ON MORPHOMETRY AND DIVERSITY OF BRACHYURAN CRABS FROM KARWAR COAST	201 8
16	16PZ06	PRIYANKA. D.NAIK	DIVERSITY OF GASTROPODS AND PELECYPODS ALONG THE COASTAL OF KARWAR	201 8
17	16PZ07	RAGHAVEN DRA DOLLIN	STUDIES ON THE ECOLOGY OF ARBOREAL ANTS ( <i>Crematogaster subnuda</i> ) FROM KARWAR	201 8
18	16PZ08	RAMACHA NDRA REDDY.V.KI TTUR	ECOLOGICAL STATUS OF AVIAN DIVERSITY IN KALI ESTUARY OF SOUTHERN INDIA, KARWAR KARNATAKA	201 8
19	16PZ09	RASHMI.M. BALLARY	ECOLOGICAL STATUS OF AVIAN DIVERSITY IN KALI ESTUARY OF SOUTHERN INDIA, KARWAR KARNATAKA	201 8
20	16PZ10	RAVI K KUMBAR	STUDIES ON MORPHOMETRY AND DIVERSITY OF BRACHYURAN CRABS FROM KARWAR COAST	201 8

21	16PZ11	RIYAZ AHMAD.L.C HABANUR	ECOLOGICAL STATUS OF AVIAN DIVERSITY IN KALI ESTUARY OF SOUTHERN INDIA, KARWAR KARNATAKA	2018
22	16PZ12	SEEMA S BASAVARA DDER	STUDIES ON MORPHOMETRY AND DIVERSITY OF BRACHYURAN CRABS FROM KARWAR COAST	2018
23	16PZ13	SHIVAKUMAR S YALAVATTI	ECOLOGICAL AND ETHOLOGICAL STUDIES ON ASIAN WEVER ANT ( <i>Oecophilla smaragdina</i> )	2018
24	16PZ14	SIDDHARTH S HEGDE	ECOLOGICAL STATUS OF AVIAN DIVERSITY IN KALI ESTUARY OF SOUTHERN INDIA, KARWAR KARNATAKA	2018
25	16PZ15	TEJASWINI S HARIKANTRA	STUDIES ON THE ECOLOGY OF ARBOREAL ANTS ( <i>Crematogaster subnuda</i> ) FROM KARWAR	2018
26	17PZ02	Gaibisab Shaikh	Studies on the characterization of otolith from Major Carps and Catfishes of India	2019
27	17PZ03	Gurudev Mali	Role of Tropical Cyclone Ockhi – First Ever Report of Range Extension of Longhorn Cowfish, <i>Lactoria cornuta</i> Along West Coast of India	2019
28	17PZ04	Iram Khan N	Characterization of Otolith of Some Commercially Important Marine fishes of India	20019
29	17PZ08	Raghavendra Kalasapoor	Mitotic Index – An Indicator of Cytotoxicity of Common Agricultural Chemicals on Green Mussel, <i>Perna viridis</i> (Scott Siddal, 1980)	2019
30	17PZ11	Suma Kalasad	Biology of Common Non commercial Fishes of India	2019
31	17PZ13	Vidyadhar Nayak	Studies on The Poisonous and Venomous Fishes of Karwar Coast.	2019

### Faculty Development Programs

Name of the FDP	Conducted	Funded	Duration
<b>CSIR technology entrepreneurship program</b>	Indian Institute of Management Bangalore (IIMB) at	CSIR	30-01-2005 to 25-02-2005

	National Chemical Laboratory (NCL), Pune		
<b>43rd Orientation program</b>	UGC-Academic Staff College Karnataka University	UGC	19-08-2008 to 15-09-2008
<b>Refresher course in Life Sciences</b>	UGC-Academic Staff College Pondicherry University (Central University)	UGC	11-10-2011 to 30-10-2011
<b>Teachers Empowerment Training Program</b>	Department of Collegiate Education	Government of Karnataka	7-04-2012 to 13-04-2012
<b>Refresher course in Life Sciences</b>	UGC-Academic Staff College University of Hyderabad (Central University)	UGC	07-11-2014 to 27-11-2014
<b>Life Skills Training</b>	National Institute of Mental Health & Neuro Sciences (NIMHANS), Bangalore	Government of Karnataka	10-02-2019 to 16-02-2019
<b>Inter-Disciplinary Refresher Course in Research Methodology in Science</b>	HRDC Karnataka University	UGC	11-03-2019 to 31-03-2019
<b>Faculty Development Program on Managing Online Classes and Co-Creating MOOCS</b>	Ramanujan College, the University of Delhi	Pandit Madan Mohan Malaviya National Mission on Teachers	20-04-2020 to 06-05-052020

		and Teaching (PMMMNMTT)	
<b>National Level Workshop on “From e-Learning to e-Training</b>	Ramanujan College, the University of Delhi	Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)	25-05-2020 to 05-06-2020

### Scientific Professional Society membership

Scientific Professional Society	Status	Date of Joining
Indian Science Congress Association	Life Member	2009 Onwards
Society of Biological Chemists (India)	Life Member	2009 Onwards
Indian Society of Cell Biology	Life Member	2010 Onwards

### Invited Lectures

Title of the Lecture	Venue	Date
<b>Exploring Estuarine bivalves as an experimental animal model for genotoxic and cytotoxic risk assessment</b>	National Conference at JMC, Trichurapalli, Tamil Nadu	7-03-2013
<b>Ontogenic and Phylogenetic Relationships among Nonchordates</b>	IQAC Sponsored Lecture Series in S.S. Government First Grade College & PG Center, Nargund Dist: Gadag	12-09-2018
<b>Ecological Restoration</b>	National Webinar on World Environment Day	05-06-2021



## RESEARCH PUBLICATIONS

Sl. No.	Title of Publication	Impact Factor
1	<p>Cytogenetic Studies in the green mussel, <i>Perna viridis</i> (Mytiloidea: Pteromorpha), from West Coast of India. <b>Muhammad Zafar Iqbal, A.N.</b>, Mohd Sajid Khan, Goswami U. <i>Marine Biology</i> (Springer Verlag) Vol.153, Number 5 Feb 2008, pages 987–993</p> <p><a href="https://doi.org/10.1007/s00227-007-0870-2">https://doi.org/10.1007/s00227-007-0870-2</a>  <a href="https://drs.nio.org/drs/handle/2264/1039">https://drs.nio.org/drs/handle/2264/1039</a></p>	<b>2.941</b>
2	<p>Antimicrobial potential of bacteriocin producing <i>Lysinibacillus jx416856</i> against foodborne bacterial and fungal pathogens, isolated from fruits and vegetable waste. Varish Ahmad, <b>Muhammad Zafar Iqbal, A.N.</b> Mohd Haseeb, Mohd Sajid Khan. <i>Anaerobe</i>, Vol. 27, pages 87–95. June 2014, Elsevier Publications.</p> <p><a href="https://doi.org/10.1016/j.anaerobe.2014.04.001">https://doi.org/10.1016/j.anaerobe.2014.04.001</a></p>	<b>2.837</b>
3	<p>Magnetic Nanoparticles: Properties, Synthesis, and Biomedical Applications. Salman Khan, Syed Mohd. Danish Rizvi, Varish Ahmad, Mohd Hassan Baig, Mohammad Amjad Kamal, Saheem Ahmad, Mayank Rai, <b>Muhammad Zafar Iqbal A. N.</b>, Gohar Mushtaq, and M.S. Khan. <i>Current Drug Metabolism</i> Vol. 16 (8), pp. 685-704, 2014, Bentham Science Publications.</p> <p><a href="https://doi.org/10.2174/1389200216666150812123219">https://doi.org/10.2174/1389200216666150812123219</a></p>	<b>3.408</b>
4	<p>A Novel DNase like compound that inhibits viral propagation, from Asian Green mussel, <i>Perna viridis</i> (Mytilidae). <b>Muhammed Zafar Iqbal A.N.</b> &amp; Khan M.S. <i>Indian Journal of Experimental Biology</i>, Vol. 54 (12), pp. 816-821. 2016</p> <p><a href="http://nopr.niscair.res.in/handle/123456789/38280">http://nopr.niscair.res.in/handle/123456789/38280</a>  <a href="https://drs.nio.org/drs/handle/2264/5068">https://drs.nio.org/drs/handle/2264/5068</a></p>	<b>0.944</b>
5	<p>Tumor – Targeted Drug Delivery by Nanocomposites. Abu Baker, Mohd Salman Khan, <b>Muhammad Zafar Iqbal A.N.</b> and Mohd Sajid Khan. <i>Current Drug Metabolism</i>, 21, Issue 8, pp 599-613 Bentham Science Publications.</p> <p><a href="https://doi.org/10.2174/1389200221666200520092333">https://doi.org/10.2174/1389200221666200520092333</a></p>	<b>3.408</b>
6	<p>Inhibition Kinetics of immobilized Cathepsin B on the Surface of Gold Nanoparticles. Iram Wahid, <b>Muhammad Zafar Iqbal A.N.</b> and Mohd Sajid Khan. <i>Bioscience Biotechnology Research Communications (BBRC)</i>, Vol. 13, issue No. 4, Pp 1954–1961,2020.</p> <p><a href="http://dx.doi.org/10.21786/bbrc/13.4/48">http://dx.doi.org/10.21786/bbrc/13.4/48</a></p>	

7	Physical mapping of 18S rRNA gene in green mussel, <i>Perna viridis</i> – An indication of higher major rRNA gene clusters. <b>Muhammed Zafar Iqbal A.N.</b> , Mohd. Sajid Khan, Navalgund M.A. Goswami U. <i>Russian Journal of Marine Biology</i> , Vol. 48, issue No. 3, Pp 195-201, 2022. Springer Publication  DOI: 10.1134/S1063074022030038	0.804
8	Mucormycosis – The Rise of a Seemingly Uncommon Disease in The Context of The COVID 19 Pandemic. Sajid Ahmed R. Dafedar, Navalgund M.A. & <b>Muhammed Zafar Iqbal A.N.</b> <i>Everyman's Science (ISCA Journal)</i> Vol. 55, Issue 5 & 6, Pp. 198-207, Dec 2020 – March 2021. Published by Indian Science Congress Association, Govt. of India. <b>ISSN No.: 0531-495X</b>	
9	<i>In vivo</i> Immunotoxicity Assessment of Atrazine in two Economically-Important Marine Pelecypoda Species. <b>Muhammed Zafar Iqbal A.N.</b> , Navalgund. M.A. & Mohd. Sajid Khan, Manawadi S.M., Sanjotha G. <i>Bioscience Biotechnology Research Communications (BBRC)</i> , Vol. 15, April-May-June, Issue No. 2, Pp , 2022.	
10	First Report of <i>Lactoria cornuta</i> from Karnataka, West coast of India–Role of tropical cyclones in Range Extension <b>Muhammad Zafar Iqbal A.N.</b> , Gurudev Mali and RaghavendraDollin, <a href="https://doi.org/10.1101/2021.06.28.450260">bioRxiv 2021.06.28.450260</a> .  <a href="https://doi.org/10.1101/2021.06.28.450260">https://doi.org/10.1101/2021.06.28.450260</a>	
11	Molecular Cytogenetic Studies in <i>Perna viridis</i> (Bivalvia: Mollusca) from Goa, West Coast of India. <b>Muhammed Zafar Iqbal A.N.</b> <b>Ph.D. Thesis</b> , CSIR - National Institute of Oceanography affiliated to Goa University 2007. <a href="http://hdl.handle.net/10603/11838">http://hdl.handle.net/10603/11838</a>	
	Vegetable waste – A Source of Antimicrobial probiotics. <b>Muhammad Zafar Iqbal A.N.</b> Navalgund MA, Vasanth Kumar B., Manawadi S.I., Sanjotha, G, & Dinesh Udupi. <i>Proceedings of National Seminar on Recent Trends in Environmental Waste Management</i> , Pages 028-033, Publisher G.H.College, Haveri ( <b>ISBN No. 978-81-930850-5-9</b> ) 2015	
12	Quantitative estimation of bio-medical waste from four hospitals of Karwar City. Vasanth Kumar B & <b>Muhammad Zafar Iqbal A.N.</b> <i>Proceedings of National Seminar on Recent Trends in Environmental Waste Management</i> , Pages 072-078, Publisher G.H.College, Haveri ( <b>ISBN No. 978-81-930850-5-9</b> ) 2015	

13	Diversity of Butterfly fauna found in and around Karwar. Vasanth Kumar, <b>Muhammed Zafar Iqbal A.N.</b> Vijaya Kumar, Roopa <i>Proceedings of National Seminar on Environmental Hazards in 21st Century</i> . Publisher G.H. College, Haveri, 2010	
----	---	--