

	<b>DR. CHANDAVAR. VIDYA. R</b>
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	Profile

Name and address	<b>DR. CHANDAVAR. VIDYA. R</b> Professor, Department of Biotechnology /Zoology, Yuvaraja's College (A Constituent & Autonomous College of University of Mysore) Mysore-570005. Ph No:0091-821-2422292
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**Academic qualifications:**

Examination Passed	Examining Body/University	Subjects/Specialisation	Year of Passing
Ph.D.,	University of Mysore	"Comparative Histophysiology of Endocrine Pancreas in selected species of Reptiles"	2002
M.Sc.,	Department of Zoology Bangalore University	Zoology Fishery Biology as specialisation	1985
B.Sc.,	University of Mysore (DVS College of Arts & Science. Shivamogga)	Chemistry; Botany; Zoology	1983

**Teaching experience:**

S.No	Designation	Name of the Institute	From	To
1	<b>HOD &amp; Professor</b>	Department of Biotechnology Yuvaraja's College, UOM	10/08/2021	Till date
2	<b>Professor</b>	Department of Biotechnology/Zoology, Yuvaraja's College, UOM	18/07/2018	09/08/2021
3	Associate Professor	Department of Biotechnology/Zoology, Yuvaraja's College, UOM	23/01/2017	17/07/2018
4	Associate Professor	Department of Studies in Zoology (PG), Manasagangotri. University of Mysore. Mysore	09/11/2015	23/01/2017

5	HOD	Department of Biotechnology, Yuvaraja's College, UOM	16/01/2014	08/11/2015
6	Associate Professor	Department of Zoology Yuvaraja's College, UOM	2010	2014
7	HOD	Department of Zoology Yuvaraja's College, UOM	Oct, 2008	Sept, 2010
8	Professor (SGL)	Department of Zoology Yuvaraja's College, UOM	26/04/2007	2008
9	Reader (SSL)	Department of Zoology Yuvaraja's College, UOM	2001	2007
10	Lecturer FIP -UGC	Department of Studies in Zoology. Manasagangotri. University of Mysore	1997	2001
11	Lecturer	Department of Zoology Yuvaraja's College, University of Mysore.	1996	1997

**Completed research project:**

<b>Funding Agency</b>	<b>Reference No</b>	<b>Title of the Project</b>	<b>Amount in ₹</b>
UGC Minor Research Project	MRP(S)-295/2005(X Plan)/KAMY002/UGC- SWRO. Dated: 3 <sup>rd</sup> March, 2005-2007.	"Immunocytochemical studies of the endocrine pancreas in selected species of reptiles"	1.0 L
UGC Major Research Project	F No. 38-269/2009 dated 24 Dec, 2009.	" <i>In situ</i> hybridization of insulin and glucagon genes in two species of turtles- <i>Melanochelys trijuga</i> and <i>Lissemys punctata</i> "	8.64 L
DST -SERB Major Research Project	SB/SO/AS-107/2012	"Comparative study of oxidative stress markers and antioxidants in plasma samples of two species of fresh water turtles"	44.42 L
DST -EMEQ Major Research Project	SB/EMEQ-124/2013	"Isolation and Characterization of Insulin and Glucagon genes in two species of turtles <i>Melanochelys trijuga</i> and <i>Lissemys punctata</i> "	38.25L

## Research Publications

S.No.	Author(s)	Title	Name of Journal	Volu	Page	Year
1.	Lalitha R and <b>Vidya R Chandavar.</b>	Analysis of nucleotide diversity in Cyt b and control region sequences of <i>Melanochelys trijuga</i> (Schweigger, 1812) from Karnataka.	Journal of Asia-Pacific Biodiversity.  Elsevier publication  IF: 0.799	11:	346-352	2018
2.	Lalitha R and <b>Vidya R Chandavar</b>	Intra specific variations in cytochrome b and D-loop sequence of Testudine species <i>Lissemys punctata</i> from south Karnataka.	Journal of Advanced Research.  Elsevier publication  IF: 4.32  Listed in Thomson Reuters	9:	87-95.	2018
3.	Lalitha R and <b>Vidya R Chandavar.</b>	Species identification inferred through mitochondrial 16s rRNA gene sequence between freshwater testudines – <i>Lissemys punctata</i> and <i>Melanochelys trijuga</i> .	International Journal of Advanced Research.	5(7):	2231-2239.	2017
4.	<b>Vidya R Chandavar,</b> Raghu N, Prakash R Naik.	Biochemical Analysis of Plasma samples in soft shelled turtle <i>Lissemys punctata</i> (Family: Trionychidae).	Indian Journal of Science.	24(92) :	231-241.	2017
5.	<b>Vidya. R. Chandavar</b> and Prakash. R. Naik.	Immunolocalization of glucagon and insulin cells in endocrine pancreas and cyclic disparity of plasma glucose in the lizard <i>Psammophilus dorsalis</i> .	Proceedings of the Zoological Society (Springer).	DOI 10.1007/s1259-5-013-0073-4. 2010	ISSN No. 0972 - 6683.	2013

				2.7.		
6.	<b>Vidya. R. Chandavar,</b> Raghu. N, Lalitha. R and Prakash R. Naik.	Cyclic variation in plasma biochemical indices in South Asian pond turtle <i>Melanochelys trijuga</i> .	International Journal of Biology, Pharmacy and Allied Sciences. ISSN:2277-4998	2(3):	639-653.	2013b
7.	<b>Vidya. R. Chandavar,</b> Raghu. N, Lalitha. R and Prakash R. Naik.	Biochemical indices to monitor health status with respect to reproductive cycle of <i>Melanochelys trijuga</i> .	Journal of Applied and Natural Science.	5 (1):	118-124.	2013a
8.	Selvaraj. S, Prakash R. Naik and <b>Vidya. R. Chandavar.</b>	Therapeutic Efficacy of Acidic and Neutral Fractions of <i>Tinospora cordifolia</i> Stem on Diabetes Induced Animal Model.	Drug Invention Today. ISSN: 0975-7619. Elsevier	<a href="#">4</a> <a href="#">(12):</a>	624-628.	2012
9.	<b>Vidya. R. Chandavar</b> and Prakash. R. Naik.	The Endocrine Pancreas of the Lizard <i>Calotes versicolor</i> : An Immunocytochemical and Physiological Study with Respect to its Reproductive Cycle.	<b>Journal of Cytology &amp; Histology</b> ISSN: 2157-7099 IF: 0.01	<b>3(3):</b>	<b>143</b>	2012
10.	<b>Vidya. R. Chandavar</b> and Prakash. R. Naik.	Variation in thyroid activity with respect to annual seasonal cycle of reproduction in turtle <i>Melanochelys trijuga</i> .	International Journal of Life Science & Pharma Research	2 (3):	126-134.	2012
11.	Selvaraj. S, <b>Vidya. R. Chandavar,</b> Prakash R. Naik and Fahmi S. Moqbel.	Fractions of <i>Tinospora cordifolia</i> stem extract demonstrate insulin secreting activity in diabetes induced wistar rats.	Journal of Pharmacy Research	5(3):	1424-1427	2012
12.	<b>Vidya. R. Chandavar</b> and Prakash. R.	Localization of glucagon and insulin cells and its variation with respect to	Acta Herpetologica	6(1):	47-57.	2011

	Naik.	physiological events in <i>Eutropis carinata</i> .				
13.	<b>Vidya. R. Chandavar</b> and Prakash. R. Naik.	Immunocytochemical Localization of Glucagon and Insulin in <i>Eutropis carinata</i> with respect to reproductive cycle.	Asian Herpetological Research	2(2).	103-109.	2011
14.	<b>Vidya. R. Chandavar</b> and Prakash. R. Naik.	Seasonal variation in thyroid activity of turtle <i>Lissemys punctata</i> with respect to annual cycle of reproduction.	Journal of Applied and Natural Science	2 (2):	194-199.	2010
15.	<b>Vidya. R. Chandavar</b> , Prakash. R. Naik and Vimala H.	Relationship between plasma glucose, islet cells, liver glycogen and abdominal fat in hibernating turtle <i>Lissemys punctata</i> .	The Bioscan	4 (3):	405-408.	2009
16.	Vimala. H., Prakash. R. Naik and <b>Vidya. R. Chandavar.</b>	Effect of <i>Brassica oleracea var. gongylodes</i> on body weight and biochemical parameters in experimentally-induced diabetes in Wistar rat.	Biomedicine.	28 (3):	184-189.	2008
17.	Vimala. H., Prakash. R. Naik and <b>Vidya. R. Chandavar.</b>	Insulin secreting activity of <i>Hibiscus rosa sinensis</i> Linn leaf extract in diabetes induced Wistar rat.	The Bioscan.	3(3):	293-297.	2008
18.	<b>Vidya. R. Chandavar</b> and Prakash. R. Naik.	Immunocytochemical localization of Pancreatic Endocrine cell and Reproductive cycle in the turtle, <i>Melanochelys trijuga</i> .	<i>Journal of Biosciences</i>	33(2):	239-247.	2008
19.	<b>Vidya. R. Chandavar</b> and Prakash R Naik.	Variation in plasma glucose and pancreatic $\beta$ cell in the turtle <i>Lissemys punctata</i> (order: Chelonia; Family: Trionychidae).	Acta Zoologica (Stockholm)	85:	113-118.	2004

### Citation in Book

In 2010, One of my publications “Vidya. R. Chandavar and Prakash. R. Naik (2008)- Immunocytochemical detection of glucagon and insulin cells in endocrine pancreas and cyclic disparity of plasma glucose in the turtle *Melanochelys trijuga*. *J Biosci.* 32(2): 239-242, is cited in the book entitled ‘The Islets of Langerhans’ edited by Md. Shahidul Islam (Advances in Experimental Medicine and Biology series Volume 654.) Chapter 2. Comparative Anatomy of Islets- R. S Heller Page 21.-Published by Springer Science+ Business Media

### Gene deposition at NCBI

NCBI GenBank sequence accession numbers of mtDNA of <i>Melanochelys trijuga</i> and <i>Lissemys punctata</i> , 2017-18 under the project SB/EMEQ-124/2013		
mtDNA regions	<i>M. trijuga</i>	<i>L. punctata</i>
16S rRNA	MF446954 to MF446959 (6 sequences)	MF446947 to MF446953 (7 sequences)
<i>Cyt b</i>	MG640589 to MG640594 (6 sequences)	KY946735 to KY946741 (7 sequences)
Control region	MG640595 to MG640600 (6 sequences)	KY946743 to KY946750 (8 sequences)

### Research scholars

Raghu. N	EX.9.2/ph.D/RN/2745/2011-12	Ph. D. Awarded in Mol. Biology Working as Assistant Professor at JSS Medical Institute
Lalitha. R	DOR 9.9/ Ph.D/LR/346 /2012-13	Thesis Submitted
Solmaz Arif	DOR 9.2/ Ph.D/SA/302/2018-19 Dt: 02/08/2019	Foreign National (Iran National)

### Papers presented in Conference/ Symposia:

Conference/ Symposium	Venue	Title of the Paper	Date
National Conference on Ecosystem Conservation & Sustainable Development (ECOSAD-2018)	AET Institutions. Bengaluru.	“Comparative study of oxidative stress markers and antioxidants in two species of aquatic turtles” - Vidya. R. Chandavar and Prakash. R. Naik	27 <sup>th</sup> to 29 <sup>th</sup> Nov, 2018
National Conference on	Department	“Biochemical parameters of Serum	13-15

Recent Advances in Animal Sciences	of Applied Zoology, Mangalore University	soluble substances in Indian soft shelled turtle <i>Lissemys punctata</i> "- Raghu. N, Vidya. R. Chandavar, Leo Anthony. T, Lalitha. R and Prakash. R. Naik	Feb, 2015
2 day UGC Sponsored National Seminar on Educational Vision & Mission of Swami Vivekananda	Centenary Hall. UOM. Mysore	Attended	18 <sup>th</sup> & 19 <sup>th</sup> Aug, 2014
"International Conference on Electron Microscopy & XXXV Annual meeting of Electron microscope society of India"	University of Delhi, New Delhi. India.	Poster presentation entitled "Electron Microscopic study of Insulin and Glucagon Cells in Selected Species of Reptiles" Vidya. R. Chandavar* and Prakash. R. Naik <sup>1</sup>	9- 11 July, 2014
National Symposium on Innovations in Science and Technology for inclusive development	Department of Zoology, University of Mysore. Mysore	Attended	3 <sup>rd</sup> & 4 <sup>th</sup> Jan, 2014
International Symposium on Environmental Pollution Ecology and Human Health (ISEPEHH-2009)	Sri Venkateswar a University Tirupati	"Seasonal variation in thyroid in free living turtle <i>Lissemys punctata</i> with respect to environmental temperature and reproductive activity"	25-27 <sup>th</sup> July, 2009
International Conference in Zoology INCOZ-2006	UGC Academic staff College & Department of Zoology, Bangalore University Bangalore	"Immunocytochemical detection of $\alpha$ and $\beta$ cells in Endocrine Pancreas in turtle- <i>Melanochelys trijuga</i> "	Nove, 19-22, 2006
21 <sup>st</sup> Conference of European comparative Endocrinologists.	University of Bonn. Germany.	"Light and Electron microscopy of Endocrine Pancreas in the Turtle, <i>Melanochelys trijuga</i> (Order: Chelonia; Family Bataguridae)"	26 <sup>th</sup> -30 <sup>th</sup> Aug, 2002
3 <sup>rd</sup> International/ 15 <sup>th</sup> National Symposium on Recent Trends in Life sciences.	Department of Zoology, Bangalore University Bangalore.	"Histological study on the endocrine pancreas of <i>Lissemys punctata</i> (Chelonia: Trionychidae)"	11 <sup>th</sup> -13 <sup>th</sup> Feb, 1999

**Books/Reports/Chapters/General articles etc.**

S.No	Title	Author's name	Publisher	Year of Publication
1.	Article: Environment and Endocrine system	<b>Vidya. R. Chandavar</b>	University of Mysore	In press
2.	Course work notes for Previous Course of M. Sc., Zoology	<b>Vidya. R. Chandavar</b>	Kuvempu University. Shankaraghatta. Karnataka.	2013
3.	Paper Citation in "The Islets of Langerhans"	<b>Vidya. R. Chandavar</b> and Prakash. R. Naik	<b>Springer Science+ Business Media</b> ( <a href="http://www.springer.com">www.springer.com</a> )	2010
4.	Articles in "Kannada Encyclopedia" <ul style="list-style-type: none"><li>• Insulin. pp146-147</li><li>• Polar bear. pp743-744</li><li>• Panda. pp 824</li></ul>	<b>Vidya. R. Chandavar</b>	University of Mysore, Mysore.	2006
5.	Article "Diabetes"	<b>Vidya. R. Chandavar</b>	Platinum Jubilee edition magazine. Yuvaraja's College	2003

**Professional Recognition/ Award:.**

Name of Award	Awarding Agency	Year
Faculty Improvement Programme	UGC	1997
Dr. Abdul Kalam Life Time Achievement National Award	Krist Foundation ® Bangalore	05/11/2017

**Membership in professional bodies:**

- 1) Indian Society of Life Sciences
- 2) The Bioscan
- 3) The Indian Science Congress Association- Life Member (Membership No. L24109)
- 4) Electron Microscopy Society of India (EMSI)-Life Member

**Positions held:**

Position	Department/Committee	Period
HOD	Department of Biotechnology	10/08/2021
External Examiner Adichunchana giri University	<b>M.Sc.(PG) Semester - I</b> Sub: <b>Human Physiology</b> (Paper Setting)	07-07-2021
Chairperson	Board of Examiners	2018-19
HOD	Department of Biotechnology	2014-2016
Member	Academic Council, Yuvaraja's College	2014-15 & 2015-16
Member	Planning committee of Yuvaraja's College	2015-16
Chairperson BOS	in Biotechnology	2014-15 & 2015-16
External Member	Interview Committee to select Ph. D applicants under AcSIR (Academy of Science & Innovative Research) at CFTRI	1 <sup>st</sup> & 2 <sup>nd</sup> Dec, 2014
Chairperson BOE	Department of Biotechnology	Oct-Nov 2014; April-May 2015 & Oct-Nov 2015
Member	12 <sup>th</sup> Academic Council	-2014 (May 19 <sup>th</sup> 2014)
HOD	Department of Biotechnology	16/12/2014 to 08/11/2016
Chairperson BOS	in Biotechnology	2013-14
Member BOE	External to other Universities-MLA College, Bangalore University	2013-14
Chairperson	Board of Studies in Zoology	2010-11 & 2011-12
Member BOAE	Board of Appointment of Examiners	2008-09 & 2009-10
Member	College Council, Yuvaraja's College	2008-09; 2009-10 & 2010-11
Member	Academic Council. Yuvaraja's College	2008-09; 2009-10 & 2010-11
HOD	Department of Zoology	2008-2010
As HOD of Dept of Zoology	Presented Department profile to NAAC committee	
Chairperson	Board of Examiners	Oct-Nove 2007
Member	Board of Studies	Six times
Member	Board of Examiners	Eight times

**Creative activity (other than teaching):** Interested in Still life, Portraits and Landscapes Paintings in oil and acrylic medium.

**Exhibitions held:**

	<b>Venue</b>	<b>Date</b>	<b>Title of Exhibition</b>
1	Lalita Kala Academy. Bangalore.	11 <sup>th</sup> to 14 <sup>th</sup> April, 2012	"Colors" Solo Painting exhibition
2	Alliance Francaise Bangalore, Thimmaiah Road, Off Cunningham Road, Vasanth Nagar, Bangalore, Karnataka, India.	Sunday, Jan 22 <sup>nd</sup> 2012 at 11:00 am	<a href="#">Mega Art Exhibition</a> <a href="#">"Silhouette"</a>
3	Suchitra art gallery of Kalamandir. Mysore.	29 <sup>th</sup> to 31 <sup>st</sup> Oct, 2011	"Colors" Solo Painting exhibition
4	Mysore.	October 2012	Dasara Art Exhibition