

FACULTY PROFILE

Prof. Gopal M Advirao
Professor
Department of Biochemistry
Davangere University
Shivangotri.

Your Recent
Photo

Qualification : M.Sc, Ph.D.
Areas of Specialization : Cancer Biology and Neurobiology
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Vision

<<State your vision in 30-50 words >>

Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	PhD.,	Cancer Biology and Neurobiology	Gulbarga University	1990
2	PG	Biochemistry	Karnatak University	1986
3	UG	Chemistry, Physics	Karnatak University	1983

Professional Details(Academic/Research Experience)

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Professor	Davangere University	PG	May 2006	
2	Associate Professor	Kuvempu University	PG	May 1998	
3	Assistant Professor	Kuvempu University	PG	August 1996	
4	Assistant Professor	P.G School for Biological Studies , Poona University	PG	September 1990	

Areas of Research Interest:	
1.	Cancer Biology and
2.	Neurobiology

Academic/Administrative responsibilities: (examples are as mentioned)	
1.	Finance Officer (Additional) -- September 2019 to till date
2.	CDC Director (Additional) - 2010 to 2013 and 2018 to August 2019
3.	Chairman – Department of Biochemistry - 14 years
4.	BOA, BOS, BOE, Doctoral committee , AC and Syndicate member
5.	NAAC Coordinator - 2016
6.	Coordinator – Department of Chemistry – 6 years

Research Projects:					
Sl. No.	Title of the Project	Funding Agency	Project Budget	Period	Status
1.	The function and Regulation of Schwann Cell Insulin Receptors	DST, Govt. of India	20,35,165-00	Dec-2005	Completed
2.	Studies on Sensitization of Tumor Cells to Apoptosis via CD 95 Signaling Pathway of New Class of Anti-Tumor Drugs	DAE-BRNS, Govt. of India	20,57,750-00	April-2008	Completed
3.	Studies on dna binding, antitumour and Apoptotic properties of Pyrimido[4', 5': 4,5]selenolo [2,3-b]quinolines And Pyrimido[4',5' : 4,5]thieno[2,3-b]quinoline	DBT, Govt. of India	20,14,000-00	Feb-2009	Completed

4.	Involvement of the CD95 (APO-1/FAS) Receptor/Ligand system in Pyrimido [4',5':4,5] Selenolo {2,3-b} Quinolines (PSQ) – Induced apoptosis in Leukemia cells	ICMR, Govt. of India	20,09,700-00	August-2010	Completed
5.	Molecular basis of insulin function in Schwann cells of PNS: Implications in diabetic neuropathy	DBT, Govt. of India	52,83,000-00	August - 2012	Completed
6.	Neurotrophic factors and docking protein profile of Schwann cells in diabetic peripheral neuropathy	DST, Govt. of India	30,00,000-00	May-2013	Completed

Research Publications:

a) International Journals

1.	Hulihalli N. KiranKumar, Heggodu G. RohitKumar, Gopal M. Advirao, (2018). Synthesis, DNA binding and cytotoxic activity of pyrimido[4',5':4,5]thieno(2,3-b)quinoline with 9-hydroxy-4-(3-diethylaminopropylamino) and 8-methoxy-4-(3-diethylaminopropylamino) substitutions. <i>J. Photochem. Photobiol. B</i> 178:1-9. Impact Factor- 4.06
2.	Hulihalli N. KiranKumar, Heggodu G. RohitKumar, Gopal M. Advirao, (2018). <i>In vitro</i> anticancer activity of 8-methoxy-4-(3-diethylaminopropylamino) pyrimido [4',5':4,5] thieno (2,3-b) quinoline against acute lymphoblastic leukemia cells", <i>IJRAR - International Journal of Research and Analytical Reviews (IJRAR)</i> , E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.5, Issue 4, Page No pp.324-332.
3.	Mallahalli S. Manu, Kuruvanthe S. Rachana, and Gopal M. Advirao, 2018. Insulin inhibits the JNK mediated cell death via up regulation of AKT expression in Schwann cells grown in hyperglycemia. <i>Frontiers in Biology</i> , 13(2): 137-144.
4.	Kuruvanthe S. Rachana, Mallahalli S. Manu, Gopal M. Advirao, 2018. Insulin- induced up regulation of lipoprotein lipase in Schwann cells during diabetic peripheral neuropathy. <i>Diabetes and Metabolic syndrome: Clinical Research and Reviews</i> , 12(4): 525-530.

5	Mallahalli S. Manu, Kuruvanthe S. Rachana, and Gopal M. Advirao, 2018. Insulin elevates the down regulated OCT-6 transcription factor in diabetic peripheral neuropathy. <i>Genes and Diseases</i> , 5(2): 130-136.
6	Mallahalli S. Manu, Kuruvanthe S. Rachana, and Gopal M. Advirao, 2017. Altered expression of IRS2 and GRB2 in demyelination of peripheral neurons: Implications in diabetic neuropathy. <i>Neuropeptides</i> , 62: 71-79.
7	Kuruvanthe S. Rachana, Mallahalli S. Manu, Gopal M. Advirao, 2017. Role of insulin in the expression of PMP22, a myelin protein during diabetic peripheral neuropathy. <i>IOSR Journal of Biotechnology and Biochemistry</i> , 3(6): 50-55.
8	HeggoduG. Rohit Kumar, Chethan S. Kumar, Hulihalli N. Kiran Kumar, and Gopal M. Advirao, 2017. Inhibition of protein kinases by anticancer DNA intercalator, 4-butylaminopyrimido[4',5':4,5]thieno(2,3-b)quinolone. <i>Acta Pharm. Sin. B.</i> 7(3): 303–310. Impact Factor- 5.80
9	Kuruvanthe S. Rachana, Mallahalli S. Manu and Gopal M. Advirao, 2016. Insulin influenced expression of myelin proteins in diabetic peripheral neuropathy. <i>Neuroscience Letters</i> , 629:110-115.
10	<u>Kotresh M G, Inamdar L S, Shivkumar M A, Adarsh K S, Jagatap B N, Mulimani BG, Advirao G M, Inamdar S R</u> , 2016. Interaction and energy transfer studies between bovine serum albumin and CdTe quantum dots conjugates: CdTe QDs as energy acceptor probes. <i>Luminescence</i> .32(4):631-639. doi: 10.1002/bio.3231.
11	Heggodu G. Rohitkumar, Kittur R. Asha, Hulihalli N. Kirankumar, Laxmi S. Inamdar, Gopal M. Advirao, 2015. Cell cycle arrest and induction of apoptosis in colon adenocarcinoma cells by a DNA intercalative quinoline derivative, 4-morpholinopyrimido [4',5':4,5] selenolo (2,3-b) quinoline. <i>Nucleosides Nucleotides Nucleic Acids</i> . 34(8):525-43. Impact Factor- 1.167
12	RohitKumar, H. G., Asha, K. R., Raghavan, S. C. and Advirao, G. M, 2015. DNA intercalative 4-butylaminopyrimido[4',5':4,5]thieno(2,3-b)quinoline induces cell cycle arrest and apoptosis in leukemia cells. <i>Cancer Chemotherapy and Pharmacology</i> , 75: 1121–1133. DOI: 10.1007/s00280-015-2735-6.
13	Asha, K.R., RohitKumar, Heggodu. Gudasi, K.B. & Rao, G.M. (2015). In vitro cytotoxicity and free radical scavenging potential of ethyl pyruvate derived copper complexes of thiosemicarbazone. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> 7. 128-

132.

b) National Journals

1.	Nivya, M T, Patil, R K, Advi Rao, G M, Khandagale, A S, Somashekarappa, H M, Ananda, D, Manjunath, HM, Joshi, Chandrashekar G. 2019. Cytotoxicity based screening for radioprotective properties of methanolic extract of <i>Tragiainvolucrata</i> L. on cultured human peripheral lymphocytes exposed to gamma radiation. <i>Indain journal of experimental biology</i> .469-477.
2.	

Research Guidance Details (MPhil/PhD):

Sl.No	Name of the Scholar	University	Registration month & Year	Research Area
1.	Rohith Kumar H.G.	Davangere University 2016		Cancer Biology
2.	Asha K.R.	Davangere University 2016		Cancer Biology
3.	Manu M.S.	Davangere University 2018	Ph.D. BC/03/ 2013-14 Date: 05/06/2014	Neurobiology
4.	Rachana	Davangere University 2018	Ph.D. /bc/04/ 2013-14 Date:05/06/2014	Neurobiology
5.	Premalatha S.J.	Davangere University	Ph.D./Bio/06/ 2012-13 Date: 18/11/2011	Natural Products
6.	Kiran Kumar H.N.	Davangere University	Ph.D./bc/02/2013-14 Date: 05/06/2014	Cancer Biology

Personal Details

Gender	Male	
Date of Birth	10/10/1960	
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	Department of Biochemistry Davangere University Davangere	-
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