FACULTY PROFILE

1	**Name**	Devaraja S
2	**Present Designation**	Assistant Professor
3	**Department**	Biochemistry
4	**Date of Birth**	24-04-1976
5	**Date of entry into service in Tumkur University**	5/07/2010
6	**Date of entry into the Present Designation**	5/07/2010
7	**Residential Address**	# 1/3, 16 th cross, Ganapathi temple road, Lakkasandra Banglore
8	**Mobile Number**	91-9945765028
9	**Email ID**	sdevbiochem@gmail.com
10	**PAN No.**	ATAPD1062A
11	**Aadhar Card Id No.**	--
12	**Passport No.**	G9788159
13	**Academic Qualification**	

	Degree	**University**	**Year of Award**
a	Post Graduate Degree	University of Mysore	2003
b	M.Phil.		
c	Ph.D.	University of Mysore	2010
	Ph.D. Topic:	Funnel web spider (Hippasa agelenoides) spider venom: Understanding the pharmacology of spider venom	
	Guided By:	Prof, Kemparaju.K	
14	NET – Year of Passing		
15	SLET/KSET – Year of Passing		2006
16	**Area of Research Specialization**	Hemostasis and thrombosis, Cardiology and platelet biology	

17	**Teaching Experience**			
	Designation	**From**	**To**	**Place**
1	Lecturer	3/8/2003	3/8/2006	PG Department of Biochemistry/Biotechnolgy, Dayanandasagar Institutions, Banglore
2	Assistant Professor	5/7/2010	Till date	Department of Studies and Research in Biochemistry, Tumkur University, Tumkur

18	**Administrative Experience**	**Nil**		
	Designation	**From**	**To**	**Place**
19	**Research Guidance**	**nil**		
A	**Ph.D.**			
	Name of Student	**Thesis**	**Year**	
B	**M.Phil.**			
	Name of Student	**Thesis**	**Year**	

20	**Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (International)**	(Tick below)		
	Details	Paper Presented	Lecture Delivered	Session Chaired
21	**Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (National)**	(Tick below)		
	Details	Paper Presented	Lecture Delivered	Session Chaired
1	**Devaraja S** and Kemparaju K: A low molecular weight serine protease the Hag-protease from Hippasa agelenoides spider venom gland extract: Role in fibrin (ogen) olysis and platelet function. International conference on `cardiovascular diseases secondary to the metabolic disorders: Mechanism and therapy`. December, 2009.	√		
2	**Devaraja S** and Kemparaju K. Local and systemic toxicity of Hag-protease a lowmolecular weight serine protease from Hippasa agelenoides spider venom glandextract. National symposium on Recent Trends in Animal Physiology. October2009. Department of Studies in Zoology, University of Mysore, Mysore. India	√		
3	**Devaraja S** and Kemparaju K. Hag-protease from Hippasa agelenoides spider venom extract: Role in tissue necrosis and hemostasis. National symposium on Bioactive molecules: from discovery to industry. April 2009. Department of Studies in Biochemistry, University of Mysore, Mysore. India.	√		
4	Rashmi K, **Devaraja S** and Kemparaju K. preliminary studies on the proteolytic activity of cucumber sap extract. National symposium on Bioactive molecules: from discovery to industry. April 2009. Department of Studies in Biochemistry, University of Mysore, Mysore. India.	√		
5	**Devaraja. S** and Thippeswamy. T.G. Role of dihydrofolate reductase and folate conjugase on folic acid absorption in gestational diabetes, arthritis and pregnancy induced hypertension: implication on neural tube defects-December-2011-Tumkur University.	√		
6	**Devaraja. S**, Kemparaju.K, Girish.K.S, Thippeswamy.T.G, Bagyalakshmi.M. Expression	√		

	of systemic inflammation induced, nuclear factor Kappa-B mediated tissue factor and platelet activation: Implication on human blood coagulation path way- November-2011. Department of Biochemistry, University of Mysore.			
7	**Devaraja. S**, Girish.K.S and Kemparaju.K. Cross linked extra cellular matrix molecules nanofibers for the treatment of asthma. December-2011. Centre for nanoscience research, Tumkur University.	√		
8	Sowmyashree.G, Bhavana.S, Thippeswamy. T.G, Bagyalakshmi. M, Devaraja.S. Anticoagulant properties of endocarp extract of swietenia macrophylla and thespesia populnea sap. January 2012. Centre for bioscience and innovation, Tumkur University.	√		
9	Hemshekhar M, Sebastin Santhosh M, **Devaraja. S**, Kemparaju K, Girish K.S. Inhibitory effect of phytochemicals against heparinase enzyme activity. January 2012. Centre for bioscience and innovation, Tumkur University.	√		
10	**Devaraja. S**, Girish.K.S, Kemparaju.K.Expression of systemic inflammation induced, nuclear factor Kappa-B mediated tissue factor and platelet activation: Implication on human blood coagulation path way. Recent trends in immunology March 2012.	√		√
11	**Devaraja.S**, Kemparaju.K, Girish.K.S, Thippeswamy.T.G, Bhagyalakshmi.M, Sowmyashree.G and Jayaramu.M: Applications of gene analysis and transgenic techniques in molecular cardiology research at One Day Conference on Molecular Diagnosis (ISBN: 978-81-924393-3-4)	√		√
12	T.G.Thppeswamy, **S.Devaraja**, V.Dwarakanath and D.Manjunatha: Abstract submitted entitled on " Radioactive Materials: Implications on Human Health" at the National Conference on "Nuclear Applications , Hazards and Safety Measures" organized by Tumkur University in association with BRFST, DRDO and BRNS held during February10-11,2012	√		
13	**Devaraja,S**, Girish,K,S and Kemaparaju.K. Fusaric acid a Mycotoxin: role in blood coagulation and platelet function one day National conference on "Green and Sustainable Chemistry" held at University College of Science, Tumkur University, Tumkur on 25th February 2012.	√		
14	**Devaraja.S**, Girish. K.S, Kemparju.K.Biphasic effect of fusaric acid on plasama coagulation and thrombin induced platelet function of washed human platelets	√		√
15	**Devaraja.S**, Bhagyalakshmi.M, Sowmya Shree.G, Kemparaju.K, Girish.K.S,Thippeswamy .Anticoagulant And Fibrin Clot Hydrolysing Activities Of Jack Seed Extract: Role Of Protease, National conference on recent trends in food science and nutrition research: ISBN: 978-93-82694-01-5	√		√
16	Sowmya shree.G, Bhagyalakshmi.M, Kemparaju.K, Girish.K.S, Thippeswamy, Devaraja.S Antithromboitic And Fibrinogenolytic Activities Of Water Melon Seed Coat	√		√

17	Bhagyalakshmi.M, Sowmya shree.G, Kemparaju.K, Girish.K.S, Thippeswamy,**Devaraja.S**.Metallo Proteolytic Activity Of Mango Seed Extract:Role In Hemostasis	√		√
18	**Devaraja.S**, Girish, KS, Sharat Chandra RG, Jayaramu.M and Sadananda maiya.Environmental Proteomics: Hope For The Better Tommarow.National conference on Biotechnological approaches for sustainable environmental management. ISBN:978-81-923331-7-5.	√		√
19	**Devaraja.S**, Girish.K.S and Kemparaju.K .Serine proteases from Hippasa agelenoides spider venom gland extract: Role in tissue necrosis and hemostasis. International conference on venom research 2012.	√		
20	Thushara RM, Hemshekhar M, **Devaraja S**, Kemparaju K, Sadananda maiya, Girish KS Platelet Apoptosis: A Mechanistic Overview. National conference on recent discoveries in protein science: ISBN:978-81-923331-5-1	√		
21	Bhagyalakshmi.M,Sowmyashree.G,Girish KS, Kemparaju.K, Sadananda Maiya,Devaraja.S Antithrombotic effect of bitter gourd seed extract: role of metalloprotease: ISBN:978-81-923331-5-1	√		
22	Sunitha K, Kemparaju K, **Devaraja.S**, Girish K S. Role of Extracellular Matrix Degrading Enzymes in Snake Bite Pathology: ISBN:978-81-923331-5-1	√		
23	Sebastin santhosh M, Hemshekhar M, **Devaraja S,** Kemparaju K, jayaramu.M, Girish KS Viper venom induced oxidative damage on blood components: an overview on phytotherapeutic approach: ISBN:978-81-923331-5-1	√		
24	Sowmyashree.G, Bhagyalakshmi.M, Girish.K.S, Kemparaju.K, Jayaramu.M and **Devaraja.S**. Fibrinogenolytic activity of orange seed extract: ISBN:978-81-923331-5-1	√		
25	Sowmyashree.G, Bhagyalakshmi.M, Girish.K.S, Kemparaju.K, Tippeswamy.T.G and **Devaraja.S.** Protease(s) from jack seed extract: A preliminary study:ISBN:978-81-923331-5-1	√		
26	**Devaraja.S**,Girish. K.S, Kemparaju.K, Serine proteolytic activity of Hippasa agelenoides spider venom gland extract: Role in tissue necrosis and hemostasis: ISBN:978-81-923331-5-1	√		
27	**Devaraja.S**,Girish. K.S, Kemparaju.K, Hagprotease from Hippasa agelenoides spider venom gland extract: Emphasis on factor Xa like and local tissue destruction properties : ISBN:978-81-923331-5-1	√		
28	**Devaraja S.** Chemistry of blood coagulation and role of anticoagulants and antiplatlet agents on thrombotic disorders. Department of Chemistry, Tumkur University, Tumkur 2011.		√	
29	**Devaraja. S.** Public health and emerging diseases: work shop on multidisplinary project proposals. Organised by Tumkur University, Tumkur on June 9th 2011.		√	
30	**Devaraja.S.** A biological overview on therapeutic applications of biomaterials in regenerative medicine. Discovery and applications of innovative materials		√	

31	**Devaraja S.** Antithrombotic proteins from edible seeds:better therapeutic molecules for thrombotic disorders. National conference on food processing and technology for health progression Jan-2013.				
22	**Books**	01			
	Chapters	06			
	Details				
1	Thippeswamy.T.G, **Devaraja.S** Manjunatha.D, Jayaramu.M**.** Nanomaterials and its food applications. **Discovery and applications of innovative materials**:6*9: ISBN: 978-81-923301-5-0*				
2	**Devaraja.S,** Girish,K.S, Thippeswamy.T.G,Bhgyalaksmi.M, Jayaramu.M. Impotant of macronutrients in health and disease management. **Recent trends in Food Science and Technology:** *P:11-31: ISBN: 978-93-82694-00-7*				
3	Thippeswamy.T.G, **Devaraja.S** Bhgyalaksmi.M, Jayaramu.M**.** Health benefits of micronutrients. **Recent trends in Food Science and Technology:** *P:32-56: ISBN: 978-93-82694-00-7*				
4	Bhgyalaksmi.M, **Devaraja.S**, Thippeswamy.T.G, Jayaramu.M**.** Importance of food in the management of Diabetes mellitus. **Recent trends in Food Science and Technology:** *P:32-56: ISBN: 978-93-82694-00-7*				
5	**Devaraja.S,** Girish,K.S, Bhgyalaksmi.M, Sowmyashree.G, Thippeswamy.T.G, Jayaramu.M. A biological overview on therapeutic applications of biomaterials in regenerative medicine. **Discovery and applications of innovative materials**:*98: ISBN: 978-81-923301-5-0*				
6	Girish KS, **Devaraja S**, Thushara RM, Hemshekhar M, Kemparaju K, Jayaramu.M Bio-scaffold based treatment option for tendon repair and regeneration. **Discovery and applications of innovative materials**:*109: ISBN: 978-81-923301-5-0*				
7	Sharma SC, Girish.K.S, Nagabhushan, Ramesh.T.N, Sharathchandra, **Devaraja S**: Materials: Synthesis, design and applications				
23	**Research Publications in Refereed Journals**	14			
	Details				
1	**Devaraja S**, Girish KS, Santhosh MS, Hemshekhar M, Nayaka SC, Kemparaju K. Fusaric acid, a mycotoxin, and its influence on blood coagulation and platelet function. **Blood Coagul Fibrinolysis**. 2013 Jan 22. [Epub ahead of print]				
2	**Devaraja S**, Girish K.S, Gowtham Y.M.J, Kemparaju K. The Hag-protease-II is a fibrin(ogen)ase from *Hippasa agelenoides* spider venom gland extract: Purification, characterization and its role in hemostasis. **Toxicon. 2011 Feb;** 57(2):248-58.				
3	**Devaraja S**, Nagaraju S, Mahadeshwara sawmy YH, Girish KS, Kemparaju K. A low molecular weight serine protease: purification and characterization from *Hippasa agelenoides* (Funnel web) spider venom gland extract. **Toxicon**, 2008, 52:130-138.				
4	**S.Devaraja**, K. S. Girish, V. R. Devaraj and K. Kemparaju. Factor Xa-like and fibrinogenolytic activities of a serine protease from *Hippasa agelenoides* spider venom gland extract. **J of thromb thrombolysis,** 2010 Jan; 29(1): 119-126.				
5	Thushara RM, Hemshekhar M, Santhosh MS, **Devaraja S**, Kemparaju K, Girish KS. Differential Action of Phytochemicals on Platelet Apoptosis: A Biological Overview. **Curr Med Chem**. 2012 Dec 3. [Epub ahead of print]				
6	Hemshekhar M, Thushara R, Jnaneshwari S, **Devaraja S**, Kemparaju K, Girish KS. Attenuation of adjuvant-induced arthritis by sesamol via modulation of inflammatory mediators, extracellular matrix degrading enzymes and antioxidant status. **Eur J Nutr.** 2012 Dec 27. [Epub ahead of print]				

7	M. Sebastin Santhosha, M. Hemshekhara, R.M. Thusharaa, S. Devaraja, K. Kemparajua, K.S. Girisha. Vipera russelli venom induced oxidative stress and hematological alterations: Amelioration by crocin a dietary colorant. **Cell Biochem Funct**. 2013 Jan;31(1):41-50. doi: 10.1002/cbf.2858. Epub 2012 Aug 15.
8	Hemashakar M, Sunitha, Sebastin Santhosh M, **Devaraja S,** Kemparaju K, Girish K.S. Genus garcinia: A parodox of therapeutic possibilities. **Phytochem Rev** (2011) 10:325–351
9	Y. H. Mahadeswaraswamy, B. Manjula, **S. Devaraja**, K.S. Girish and K. Kemparaju: Daboia Russelli Venom Hyaluronidase: Purification, Charcterization and inhibiton by β-3-(3-hydroxy – 4 – oxopyridyl) α-amino- propionic acid**.** Curr Top Med Chem. 2011; 11(20):2556-65.
10	Shivaiah Nagaraju, **Sannaningaiah Devaraja**, Kempaiah Kemparaju. Purification and properties of hyaluronidase from *Hippasa partita* (funnel web spider) venom gland extract.**Toxicon**, 2007.
11	R. Sharma, Y.H. Mahadeswaraswamy, K. Harish Kumar, **S. Devaraja**, K. Kemparaju, B.S. Vishwanath and K.S. Girish. Effect of Anticoagulants on the Plasma Hyaluronidase activities. ***Journal of Clinical Laboratory Analysis*** 2008, 22, 1–5.
12	Mahadeswaraswamy YH, **Devaraja S**, Kumar MS, Goutham YNJ and Kemparaju K. Inhibition of local effects of Indian *Daboia/Vipera russellii* venom by the methanolic extract of grape seeds (*Vitis vinifera* L.)**. *Indian Journal of Biochemistry and Biophysics,* 2009,** 46, 154-160**.**
13	M. Sebastin Santhosh, R. M. Thushara, M. Hemshekhar, K. Sunitha, S. Devaraja, K. Kemparaju • K. S. Girish. Alleviation of viper venom induced platelet apoptosis by crocin (Crocus sativus): implications for thrombocytopenia in viper bites. **J Thromb Thrombolysis** DOI 10.1007/s11239-013-0888-x
14	**Devaraja.** S, Girish. K.S and Kemparaju. K. Detection of Two Isoforms of Serine Proteases from *Hippasa agelenoides* Spider Venom Gland Extract: Emphasis on Their Biochemical and Pharmacological properties. **Communicated to International Journal of Science Research. 2013**
15	*Devaraja S. Girish K S. Kemparaju.* **Spider venom: A potential store house of enzymatic and non-enzymatic toxins. Communicated to Journal of Toxicon-2013**
16	.M, Sowmyashree.G, , Bhgyalaksmi, Girish,K.S, Kemparaju.K, Manoharshinde, **Devaraja.S. Antithrombotic and fibrin(ogen)lytic activities of Jack fruit seed extract. Communicated to International Journal of Hematology-2013**

24	**Research Projects**			
A	**On going**			
	Title of Project	**Funding Agency**	**Duration**	**Amount Sanctioned**
03	Identification of novel factor Xa and thrombin inhibitors for the better management of thromboembolism	VGST, Govt of Karnataka, Banglore	03 years	30 lakh

B	Completed			
	Title of Project	**Funding Agency**	**Duration**	**Amount Sanctioned**
01	KFIST	VGST, Govt of Karnataka, Banglore	02 years	40 lakhs
02	Sreening of Inidan medicinal Plants for anticoagulant properties	UGC	02 years	2 lakhs
25	**Membership of Professional Organizations**			
1	Society of biological chemist (India) 2004 to date			
2	Biochemical society, Mysore chapter 2001 to date			
3	Biochemistry research organization 2009-to date			
4	CPSEA, Mysore (people for animals) 2005 to date			
26	**Official Foreign Visits**			
1	Currently working as Raman Postdoctoral Fellow in Lerner Research Institute, Cleveland Clinic, Cleveland, Ohio,USA (UGC Sponsored Felloship for one year)			