

**Name:** Dr. NATARAJU ANGASWAMY. *M.Sc., Ph.D.*

**Designation:** Assistant Professor & Chairman,

Dept. of Biochemistry, KSOU, Mysore.

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**Field of Research:** Inflammation, Secondary metabolites from Medicinal Plants, Diabetes, Autoimmune diseases, Immunology and Transplantation immunology.

**Teaching experience:** 8 years

**Professional Experience:** 20 years

**Professional & Research Recognitions:** See detailed CV

**Academic/ Membership in Professional bodies:**

- The Indian Science Congress Association – Life member.
- Society for Biological Chemists, India (SBC) – Life member.
- American Society of Transplantation, USA (AST).
- American Transplantation Congress, USA (ATC).
- American Society for Histocompatibility and Immunogenetics, USA (ASHI).
- The International Society for Heart and Lung Transplantation, USA (ISHLT).

**Areas of Interest:** Open distance mode of learning Science using online and virtual classrooms. Science education to rural and underprivileged students.

**Research Interest:** Plant secondary metabolites use in treating inflammation, diabetes and autoimmunity. Role of compounds derived from Medicinal plants as immunomodulators and immunosuppressants that prevent rejection of organs following transplantation.

**Dr. Nataraju Angaswamy, Ph.D.**  
Assistant Professor & Chairman  
Department of Biochemistry  
Karnataka State Open University (KSOU)  
Mukthagangotri, Mysore-570006  
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### **ACADEMIC APPOINTMENTS**

***Assistant professor & Chairman (Dec, 2012- till date)***

Department of Biochemistry  
Karnataka State Open University (KSOU)  
Mukthagangotri, Mysore-570 006  
Karnataka, India.

***Post-doctoral research associate (2006-2012)***

Department of Surgery, Immunology and Pathology,  
(Advisor: **Prof. T. Mohanakumar**)  
Washington University School of Medicine in Saint Louis  
Saint Louis, Missouri, USA.

***Lecturer in Biochemistry (2000-2001)***

Department of Biochemistry, Yuvaraja's College Mysore  
University of Mysore, Mysore, Karnataka, India.

### **EDUCATION & TRAINING**

***Ph.D, Biochemistry (2001-2006)***

(Advisor: **Prof. B.S. Vishwanath**)  
Department of Biochemistry, Manasagangotri,  
University of Mysore, Mysore, Karnataka, India.

***Master of Science- Biochemistry (1998-2000)***

Department of Biochemistry, Manasagangotri  
University of Mysore, Mysore, Karnataka, India.

***Bachelor of Science - Chemistry, Botany and Zoology (1996-1998)***

Bharathi College, Bharathinagara (K.M.Doddi)  
University of Mysore, Karnataka, India.

### **HONORS & AWARDS**

- 1). Recipient of 2 year grant from "Juvenile Diabetic Research Foundation (JDRE)", USA (Mar 2009 to Feb 2011).
- 2). Recipient of "Young Investigator Award" from American Society of Transplantation and American Transplantation Congress, San Diego, USA (May 2010).

3). CSIR/National Eligibility Test (NET) (Council of Scientific and Industrial Research, India, Junior Research Fellowship and Senior Research Fellowship).

4). State Level Entrance Test (SLET) - Karnataka, India.

#### **JOURNAL ARTICLES (40)**

1. Murali M, Mahendra C, Hema P, Rajashekar N, **Nataraju A**, Sudarshana MS, Amruthesh KN. Molecular profiling and bioactive potential of an endophytic fungus *Aspergillus sulphureus* isolated from *Sida acuta*: a medicinal plant. **Pharmaceutical Biology** – 2017, 55(1):1623-1630. PMID: 28424024.

2. Gowda R, Rajaiah R, Angaswamy N, Krishna S, Bannikuppe Sannanayak V. Biochemical and pharmacological characterization of *Trimerurus malabaricus* snake venom. **Journal of Cellular Biochemistry** – 2018, 119(7):5904-5912. 2018 Mar 12. PMID: 29528146.

3. Vikram Joshi, Manjunath Yariswamy, Ankanahalli N Nanjaraj Urs, Chandrasekaran Ramakrishnan, Devadasan Velmurugan, **Angaswamy Nataraju**, Bannikuppe Sannanayak Vishwanath. Targeting lipoxygenase and cyclooxygenase by sPLA<sub>2</sub> inhibitors: A multi-target approach for better anti-inflammatory molecule. **Current topics in medicinal chemistry**, Manuscript # - CTMC-TI-DBL-2015-1, 3 December 2015 (In press).

4. P U Amog , M Yariswamy , Vikram Joshi , A N Nanjaraj Urs , K N Suvilesh , V N Manjuprasanna , M N Savitha , G V Rudresha , Nataraju Angaswamy , B S Vishwanath and T Veerabasappa Gowda. Local tissue damage induced by *Echis carinatus* venom: Neutralization by *Albizia lebbek* seed aqueous extract in mice model. **Journal of Pharmacy Research** - 2016, 10(4),167-175.

5. Amog P.U, Manju P, Yariswamy M, Nanjaraj A N, Vikram Joshi, Suvilesh K N, **Nataraju A**, B S Vishwanath, and T Veerabasappa Gowda. *Albizia lebbek* seed methanolic extract as a complementary therapy to manage local toxicity of *Echis carinatus* venom in murine model. **Pharmaceutical Biology** – 2016, May 22: 1-7 PMID: 27211855.

6. Nanjaraj Urs AN, Yariswamy M, Joshi V, Suvilesh KN, Sumanth MS, Das D, **Nataraju A**, Vishwanath BS. Local and systemic toxicity of *Echis carinatus* venom: neutralization by *Cassia auriculata* L. leaf methanol extract. **Journal of Natural Medicine**. 2015 Jan;69(1):111-22. PMID: 25378214.

7. **Angaswamy N**, Klein C, Tiriveedhi V, Gaut J, Anwar S, Rossi A, Phelan D, Wellen JR, Shenoy S, Chapman WC, Mohanakumar T. Immune Responses to Collagen-IV and Fibronectin in Renal Transplant Recipients With Transplant Glomerulopathy. **American Journal of Transplantation**. 2014 Mar;14(3):685-93. PMID:24410875.

8. Tiriveedhi V, Banan B, Deepti S, **Nataraju A**, Hachem R, Trulock E, Alexander PG, Mohanakumar T. Role of defensins in the pathogenesis of chronic lung allograft rejection. *Human Immunology*. 2014 Apr;75(4):370-7. PMID: 24380698.
9. Mohamed R, Tarannum S, Yariswamy M, Vivek HK, Siddesha JM, **Angaswamy N**, Vishwanath BS. Ascorbic acid 6-palmitate: a potent inhibitor of human and soybean lipoxygenase-dependent lipid peroxidation. *J Pharm Pharmacol*. 2014 Jun;66(6):769-78. PMID:24359271.
10. **Angaswamy N**, Tiriveedhi V, Banan B, Benshoff N, Chapman W, Mohanakumar T. Synergism of a natural plant product, oleanolic acid with calcineurin inhibitor in prolonging islet allograft survival. *Transplant Immunology*. 2013 Dec;29(1-4):64-70. PMID:24036218.
11. Ghaffari H, Venkataramana M, Nayaka SC, Ghassam BJ, **Angaswamy N**, Shekar S, Sampath Kumara KK, Prakash HS. Hepatoprotective action of Orthosiphon diffusus (Benth.) methanol active fraction through antioxidant mechanisms: an in vivo and in vitro evaluation. *J Ethnopharmacol*. 2013 Oct 7;149(3):737-44. PMID:23933497.
12. **Angaswamy N**, Tiriveedhi V, Sarma NJ, Subramanian V, Klein C, Wellen J, Shenoy S, Chapman WC, Mohanakumar T. Interplay between Immune responses to HLA and Non-HLA self-antigens in allograft rejection. *Human Immunology*. 2013 Nov; 74(11):1478-85. PMID: 23876679.
13. Nanjaraj Urs, M Yariswamy, V Joshi, **Angaswamy N**, TV Gowda, BS Vishwanath. Implications of phytochemicals in snakebite management: present status and future prospective. *Toxin Reviews*, 1-24, 2013.
14. V Hiremath, M Yariswamy, Nanjaraj Urs, V Joshi, KN Suvilesh, **Angaswamy N**, BS Vishwanath. Differential action of Indian BIG FOUR snake venom toxins on blood coagulation. *Toxin Reviews*, 1-10, 2013.
15. Yariswamy M, Shivaprasad HV, Joshi V, Nanjaraj Urs AN, **Nataraju A**, Vishwanath BS. Topical application of serine proteases from Wrightia tinctoria R. Br.(Apocyanaceae) latex augments healing of experimentally induced excision wound in mice. *Journal of Ethnopharmacology*. 2013 Aug 26; 149(1):377-83. PMID: 23838477.
16. **Angaswamy N**, Tiriveedhi V, Cianciolo GJ, Mohanakumar T. LMP-420, A Small Molecular Inhibitor of TNF- $\alpha$ , Prolongs Islet Allograft Survival by Induction of Suppressor of Cytokine Signaling-1: Synergistic Effect with Cyclosporin-A. *Cell Transplantation*. 2012;21(6):1285-96. PMID: 22469483.
17. Nayan S, Tiriveedhi V, **Angaswamy N**, Mohanakumar T. Role of antibodies to self-antigens in chronic allograft rejection: potential mechanism and therapeutic implications -*Human Immunology*. 2012, Dec;73(12):1275-81. PMID: 22789626.
18. Tiriveedhi V, **Angaswamy N**, Brand D, Weber J, Gelman AG, Hacheem R, Aloush A, Phelan D, Trulock E, Meyers B, Patterson GA, Mohanalumar T. Epitope shift of collagen V leads to T-helper switch: Role in chronic lung allograft rejection. *Clinical and Experimental Immunology*. 2012, 167(1):158-168. PMID: 22132895.

19. Fukami N, Subramanian V, **Angaswamy N**, Liu W, Mohanakumar T, Hoshinaga K. Mizoribine – An Inosine Monophosphate Dehydrogenase Inhibitor- acts synergistically with Cyclosporine A in Prolonging Survival of Murine Islet Cell and Heart Transplants Across Major Histocompatibility Barrier. *Transplantation immunology*, 2012, 26(2-3):140-5. PMID: 22085688.
20. Subramanian V, Seetharam AB, Vachharajani N, Tiriveedhi V, **Angaswamy N**, Ramachandran S, Crippin JS, Shenoy S, Chapman WC, Mohanakumar T, Anderson CD. Donor graft steatosis influences immunity to Hepatitis C virus and allograft outcome following liver transplantation. *Transplantation*, 2011, 92(11):1259-68. PMID: 220111763.
21. Siddesha JM, **Angaswamy N**, Vishwanath BS. Phytochemical screening and evaluation of in vitro angiotensin-converting enzyme inhibitory activity of Artocarpus altilis leaf. *Natural Product Research*. 2011, 25(20):1931-40. PMID: 21756104.
22. **Angaswamy N\***, Nath DS\*, Haseeb Ilias Basha, Donna Phelan, Nader Moazami, Gregory A. Ewald, and T. Mohanakumar. Donor Specific Antibodies To HLA Are Associated With And Precede Antibodies To MICA In Antibody Mediated Rejection And Cardiac Allograft Vasculopathy Following Human Cardiac Transplantation. *Human Immunology*. 2010, 71(12):1191-6. PMID: 20868717. (\*= co-first authors).
23. Golocheikine A, Tiriveedhi V, **Angaswamy N**, Benschhoff N, Sabarinathan R, Mohanakumar T. Cooperative signaling for angiogenesis and neovascularization by VEGF and HGF following islet transplantation. *Transplantation*. 2010, 90 (7): 725-31. PMID: 20714284.
24. Saini D\*, **Angaswamy N\***, Tiriveedhi V, Fukami N, Ramachandran S, Hachem R, Trulock E, Meyers B, Patterson A, Mohanakumar T. Synergistic effect of antibodies to human leukocyte antigens and defensins in pathogenesis of bronchiolitis obliterans syndrome after human lung transplantation. *Journal of Heart & Lung Transplant*. 2010, 29(12):1330-6. PMID: 20691611. (\*= co-first authors)
25. Tiriveedhi V, **Angaswamy N**, Weber J, Mohanakumar T. Lipid raft facilitated ligation of K-alpha1-tubulin by specific antibodies on epithelial cells: Role in pathogenesis of chronic rejection following human lung transplantation. *Biochemical & Biophysical Research Communication*. 2010, 399(2):251-5. PMID: 20654580.
26. Saini DK, Karunarathne WK, **Angaswamy N**, Saini D, Cho JH, Kalyanaraman V, Gautam N. Regulation of Golgi structure and secretion by receptor-induced G protein betagamma complex translocation. *Proceedings of National Academy of Sciences, U S A*. 2010, 107(25):11417-22. PMID: 20534534.
27. **Nataraju A**, Saini D, Ramachandran S, Nath DS, Phelan D, Hachem R, Trulock E, Patterson GA, Mohanakumar T. Development of antibodies to HLA precedes development of antibodies to MICA and are significantly associated with development of chronic rejection following human lung transplantation. *Human Immunology*. 2010, 71(6):560-5. PMID: 20211214.

28. Dhananjaya BL, **Nataraju A**, Raghavendra Gowda CD, Sharath BK, D'Souza CJ. Vanillic acid as a novel specific inhibitor of snake venom 5'-nucleotidase: a pharmacological tool in evaluating the role of the enzyme in snake envenomation. *Biochemistry (Mosc)*. 2009, 74(12):1315-9. PMID: 19961411.
29. **Nataraju A**, Saini D, Ramachandran S, Benshoff N, Liu W, Chapman W, Mohanakumar T. Oleanolic Acid, a plant triterpenoid, significantly improves survival and function of islet allograft. *Transplantation*. 2009, 88(8):987-94. PMID: 19855244.
30. Dharmappa KK, Kumar RV, **Nataraju A**, Mohamed R, Shivaprasad HV, Vishwanath BS. Anti-inflammatory activity of oleanolic acid by inhibition of secretory phospholipase A<sub>2</sub>. *Planta Medica*. 2009, 75(3):211-5. PMID: 19085684.
31. Saini D, Ramachandran S, **Nataraju A**, Benshoff N, Liu W, Desai N, Chapman W, Mohanakumar T. Activated effector and memory T cells contribute to circulating sCD30: potential marker for islet allograft rejection. *American Journal of Transplantation*. 2008, 8(9):1798-808. PMID: 18786226.
32. Rajesh R, Shivaprasad HV, Gowda CD, **Nataraju A**, Dhananjaya BL, Vishwanath BS. Comparative study on plant latex proteases and their involvement in hemostasis: a special emphasis on clot inducing and dissolving properties. *Planta Medica*. 2007, 73(10):1061-7. PMID: 17691056.
33. **Nataraju A**, Raghavendra Gowda CD, Rajesh R, Vishwanath BS. Group IIA secretory PLA<sub>2</sub> inhibition by ursolic acid: a potent anti-inflammatory molecule. *Current Topics in Medicinal Chemistry*. 2007, 7(8):801-9. PMID: 17456043.
34. Nanda BL, **Nataraju A**, Rajesh R, Rangappa KS, Shekar MA, Vishwanath BS. PLA<sub>2</sub> mediated arachidonate free radicals: PLA<sub>2</sub> inhibition and neutralization of free radicals by antioxidants a new role as anti-inflammatory molecule. *Current Topics in Medicinal Chemistry*. 2007, 7(8):765-77. Review. PMID: 17456040.
35. Rajesh R, **Nataraju A**, Gowda CD, Frey BM, Frey FJ, Vishwanath BS. Purification and characterization of a 34-kDa, heat stable glycoprotein from *Synadenium grantii* latex: action on human fibrinogen and fibrin clot. *Biochimie*. 2006, 88(10):1313-22. PMID: 16997451.
36. Dhananjaya BL, **Nataraju A**, Rajesh R, Raghavendra Gowda CD, Sharath BK, Vishwanath BS, D'Souza CJ. Anticoagulant effect of *Naja naja* venom 5'nucleotidase: demonstration through the use of novel specific inhibitor, vanillic acid. *Toxicon*. 2006, 15; 48(4):411-21. PMID: 16899266.
37. Gowda CD, **Nataraju A**, Rajesh R, Dhananjaya BL, Sharath BK, Vishwanath BS. Differential action of proteases from *Trimeresurus malabaricus*, *Naja naja* and *Daboia russellii* venoms on hemostasis. *Comparative Biochemistry & Physiology*. 2006, 143(3):295-302. PMID: 16627005.
38. Gowda CD, Rajesh R, **Nataraju A**, Dhananjaya BL, Raghupathi AR, Gowda TV, Sharath BK, Vishwanath BS. Strong myotoxic activity of *Trimeresurus malabaricus* venom: role

of metalloproteases. *Molecular & Cellular Biochemistry*. 2006, 282(1-2):147-55. PMID: 16317522.

39. Sadashiva MP, **Nataraju A**, Mallesha H, Rajesh R, Vishwanath BS, Rangappa KS. Synthesis and evaluation of trimethoxyphenyl isoxazolidines as inhibitors of secretory phospholipase A<sub>2</sub> with anti-inflammatory activity. *International Journal of Molecular Medicine*. 2005, 16(5):895-904. PMID: 16211261.

40. Rajesh R, Raghavendra Gowda CD, **Nataraju A**, Dhananjaya BL, Kemparaju K, Vishwanath BS. Procoagulant activity of *Calotropis gigantea* latex associated with fibrin(ogen)olytic activity. *Toxicon*. 2005, 46(1):84-92. PMID: 15922393.

### **ABSTRACTS & PRESENTATIONS (20)**

1) Suvilesh KN, Savitha MN, Manjuprasanna VN, Amog PU, Rudresh GV, **Angaswamy N** and Vishwanath BS. Clinical correlation between hyaluronidase and thyroid hormone in serum of different animals. UGC sponsored national conference 20<sup>th</sup> and 21<sup>st</sup> of March 2014 at Pooja Bhagvat Memorial Mahajana college Mysore.

2) **Angaswamy N**, Klein C, Phelan D, Wellen J, Shenoy S, Chapman W, Mohanakumar T. De novo development of Immune Responses to donor HLA and kidney associated self-antigens, Fibronectin and Collagen IV (Autoimmunity) are associated with Transplant Glomerulopathy Following Human Kidney Transplantation. *Human Immunology*. 2012, 73 (S1):47.

3) **Angaswamy N**, Klein C, Wellen J, Shenoy S, Chapman W, Mohanakumar T. Development of Immune Responses to Donor HLA and Kidney Associated Self Antigens, Fibronectin and Collagen IV (Autoimmunity) are Significantly Associated with Transplant Glomerulopathy Following Human Kidney Transplantation. (Transplantation Society (TTS), Berlin, Germany - July 15-19, 2012)

4) Klein C, **Angaswamy N**, Wellen J, Shenoy S, Mohanakumar T. Transplant Glomerulopathy is Associated With the Production of Auto-Antibodies Against Fibronectin and Collagen Type IV. *American Journal of Transplantation*. 2012, 12:541-542.

5) Subramanian V, Seetharam A, **Angaswamy N**, Tiriveedhi V, Anderson CD, Shenoy S, Brunt E, Crippin J, Chapman WC, T. Mohanakumar. Effect of Donor Graft steatosis on Post Transplant Allograft Fibrosis and Hepatitis C Virus specific responses and autoimmunity. *American Journal of Transplantation*. 2011, 11(S2): 47.

6) **Angaswamy N**, Fukami N, Tiriveedhi V, Cianciolo GJ, Chapman WC, Mohanakumar T. LMP-420 A Small Molecular Inhibitor of TNF- $\alpha$  Prolongs Islet Allograft Survival by expression of suppressor of cytokine signaling-1: Synergistic effect with Cyclosporine-A. *American Journal of Transplantation*. 2011, 11(S2): 247.

7) Subramanian V, Seetharam A, **Anaswamy N**, Tiriveedhi V, Anderson CD, Shenoy S, Crippin J, Chapman WC, T. Mohanakumar. Role of donor liver steatosis on immune responses to Hepatitis C, self-antigens and allograft fibrosis following human liver transplantation. *The Journal of Immunology*. 2011, 186:169.11.

- 8) Tiriveedhi V, **Angaswamy N**, Brand D, Weber J, Hacheem R, Aloush A, Phelan D, Trulock E, Meyers B, Patterson GA, and T Mohanalumar. Epitope switch of Self-antigen Collagen V is associated with Th-17 phenotype and autoimmune responses: Role in chronic rejection following human lung transplantation. *Journal of Heart & Lung Transplantation*. 2011, 30(4), S83-S84.
- 9) **Angaswamy N**, Ramachandran S, Tiriveedhi V, Chapman W, Mohanakumar T. Oleanolic acid a natural plant triterpenoid, significantly delays the production of autoantibodies and autoreactive T Cells to insulin/InsB(9-23) peptide and development of diabetes in NOD mice. *American Journal of Transplantation*. 2011, 11(S2):247.
- 10) **Angaswamy N**, Tiriveedhi V, Subramanian V, Schmieder A, Lanza GM, Chapman W and Mohanakumar T. Oleanolic acid, a natural plant derived triterpenoid, improves neoangiogenesis and subcutaneous islet allograft survival in a murine model of islet transplantation. *American Journal of Transplantation*. 2011, 11(S2):246-247.
- 11) Tiriveedhi V, **Angaswamy N**, Brand D, Weber J, Hacheem R, Aloush A, Phelan D, Trulock E, Meyers B, Patterson GA, and T Mohanalumar. Epitope switch of Self-antigen Collagen V Defines the Cytokine Switch associated with Th-17 phenotype and autoimmune responses: Role in chronic rejection following human lung transplantation. *American Journal of Transplantation*. 2011, 11(S2): 162.
- 12) Seetharam A, Subramanian V, **Angaswamy N**, Tiriveedhi V, Anderson CD, Shenoy S, Brunt E, Jeffrey Crippin J, Chapman WC, T. Mohanakumar. A Differential T-helper 17 Immune Response in Responders to Antiviral Therapy for Chronic Hepatitis C. *Gastroenterology*. 2011,140: S946-S947.
- 13) Tiriveedhi V, **Angaswamy N**, Brand D, Hachem R, Trulock E, Patterson A, and Mohanakumar T. Collagen V epitope constraint leading to cytokine switch following alloimmune responses to mismatched MHC class I antigens which induces autoimmunity and chronic rejection. *Human Immunology*. 2010, 71(S1):142
- 14) Saini D, Tiriveedhi V, **Angaswamy N**, Mohanakumar T. Anti-HLA antibodies along with defensins contribute to BOS Pathogenesis. *American Journal of Transplantation*. 2010, 10:27.
- 15) Nath DS, Tiriveedhi V, Ilias Basha H, **Angaswamy N**, Ramachandran S, Phelan D, Ewald GA, Mohanakumar T. Antibodies to HLA precede antibodies to MICA and self-antigens – myosin, vimentin, collagen-V in human cardiac allograft recipients with acute antibody mediated rejection. *Human Immunology*. 2010, 71(1): S137.
- 16) **Angaswamy N**, S. Ramachandran, N. Steward, D. Phelan, A. Aloush, R. Hachem, E. Trulock, A. Patterson, T. Mohanakumar. Development of Antibodies to HLA antigens precedes development of antibodies to MICA which are significantly associated with development of chronic rejection following human lung transplantation. *American journal of Transplantation*. 2010, 10 (S4):85.
- 17) **Angaswamy N**, S. Ramachandran, D. Saini, N. Benshoff, Yu L., W. Chapman, T. Mohanakumar. Oleanolic Acid, Significantly Delays or Prevents the Development of Diabetes in NOD Mice. *American journal of Transplantation*. 2009, 9 (S2):669.



18) **Angaswamy N**, Saini D, S. Ramachandran, N. Beshoff, W. Liu, N. Desai, W. Chapman, T. Mohanakumar. Oleanolic acid, a natural triterpenoid, significantly improves islet survival and function following transplantation. *American journal of Transplantation*. 2008, 8 (S2):297-298.

19) D. Saini, S. Ramachandran, **N. Angaswamy**, N. Beshoff, W Liu, N. Desai, W. Chapman, T. Mohanakumar. Increase in Levels of Soluble CD30 Post – Transplant as a Predictor of Islet Graft Rejection. *American journal of Transplantation*. 2007, 7 (S2):512.

20) A. Golocheikine, R. Fields, **N. Angaswamy**, N Steward, E. Trulock, A. Patterson, T. Mohanakumar. Soluble CD30 may represent a novel marker to monitor the development of Bronchiolitis Obliterance Syndrome following human lung transplant. *American journal of Transplantation*. 2007, 7 (S2):415.

#### **REVIEWER FOR JOURNALS**

1. Transplantation
2. Transplantation Immunology
3. Journal of Diabetes
4. Life Sciences
5. Journal of Ethnopharmacology
6. Phytotherapy Research
7. Inflammopharmacology
8. Journal of Food Science
9. Journal of Arthritis.

#### **MEMBER OF SCIENTIFIC BODIES:**

- American Society of Transplantation, USA (AST).
- American Transplantation Congress, USA (ATC).
- American Society for Histocompatibility and Immunogenetics, USA (ASHI).
- The International Society for Heart and Lung Transplantation, USA (ISHLT).
- Society of Biological Chemists, India (SBC).
- The Indian Science Congress Association.

#### **BOS, BOE, CORPORATE, CO-CURRICULAR AND PROFESSIONAL DEVELOPMENTAL ACTIVITIES:**

1. Chairman of DOS in Biochemistry ( Feb 2012 – till date)
2. Chairman of BOS in Biochemistry (2012- 2016)
3. Chairman of BOE in Biochemistry (2012- 2016)

4. Member of BOS and BOE in DOS of Biotechnology, Microbiology and Food Science and Nutrition & Computer Science.
5. Member of Digital Content Development Committee – 2012 till date.
6. Member of E-Governance Committee – 2012 till date.
7. Member of Laboratory equipment and chemical purchase Committee – 2012 till date.

### **INVITED TALKS**

1. CSIR-UGC-NET/ SET Coaching Classes: How to prepare for life science exams, Coaching class for SC/ST/OBC UGC Sponsored (Maharani's College, 2013-14).
2. Driving Stem Cell Research Towards Therapy– A Vision of the Future. Stem Cell Transplantation at DOS in Biotechnology Mahajana College, Mysore, Microbiology & Biochemistry- Pooja Bhagavat Memorial, UGC Sponsored National Conference.
3. Primary Culture and Cell Lines Animal Cell Culture Techniques Demonstration & Hands on Experiments PG DOS in Biotechnology, UGC Sponsored National Workshop at Teresian College-Mysore.
4. Recent Advances In Diabetes Research And Treatment, PG DOS in Biochemistry Maharani's Science College for Women-Mysore.
5. Serving as a Resource Person for Biological Sciences @ KSOU Competitive Examination Training Centre.

### **REFERENCES:**

1. **Prof. B. S. Vishwanath, Ph.D.**  
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2. **Prof. T. Mohanakumar, Ph.D.**  
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