

Research Publications of Symbiosis School of Biomedical Sciences, Pune

Year April 2015- March 2016

Journal Papers Published

1. **Vaidya Anuradha**, Kale Vaijayanti (05/2015) Hematopoietic Stem Cells, Their Niche and the Concept of Co-Culture Systems: A Critical Review. *Journal of Stem Cells*, 10(4) : 13-31 (Scopus; ISSN: 1556-8539)
2. **Borse, S.P.**, Kamble, B.B.(05/2015) Effects of Ayurvedic Rasayana botanicals on CYP3A4 Ioenzyme system, *Journal of integrative medicine* ISSN: 2095-4964 , Vol. 13(3) pg. 165-172 (Scopus)
3. Srividya Ravi, **Vaidya Anuradha** (06/2015) In Search of a Simple Test to Determine Non-obviousness of Inventions: A Short Communication. *American International Journal of Research in Science, Technology, Engineering & Mathematics*, : 184-189 (Ebsco,ProQuest,Cabell'sdirectory,WorldCat,GoogleScholar,Scirus,DOAJ,IndexCopernicus,ThomsonReuteurs; ISSN: 2328-3580)
4. **Singh Mamta, Vaidya Anuradha** (08/2015) Translational Synthetic Biology. *Systems and Synthetic Biology*, 1-5 (Scopus,Academic OneFile (Gale),Expanded Academic ASAP (Gale),Inspec,PubMed; ISSN: 1872-5325)
5. **Mishra Neetu**, Banerjee Joyita, DhasYogita (09/2015) Metagenomics: A new horizon in cancer research. *Meta Gene*, 5: 84-89 (Scopus; ISSN: 2214-5400)
6. **Arora, Garima** (09/2015)Synthesis and anti-tubercular activity of 2-nitroimidazooxazines with modification at the C-7 position as PA-824 analogs, *Bioorganic and Medicinal,Chemistry Letters*, Vol. 25(17) ISSN: 0960-894X (Scopus)
7. **Gokhale Devaki** (10/2015) Factors Influencing Age at Menarche: An Indian Scenario. *Indian Journal of Youth and Adolescent Health*, 2(3): 38-42 (Google Scholar, Open J-Gate; ISSN: 2349-2880)
8. Agawane Sachin, Tiwari Vishakha, Chavan Suraj, **Koratkar Santosh** (11/2015) In-vitro and In-vivo Inhibition of Postprandial Hyperglycemia (Type II Diabetes) by Use of *Adhatoda vasica* in Wistar Rats. *International Journal of Pharmacy and Pharmaceutical Research*, 4(4) : 37-52 (WorldCat,Google Scholar,Open J-Gate; ISSN: 2349-7203)
9. Murar Madhura, **Vaidya Anuradha** (12/2015) Cancer stem cell markers: premises and prospects. *Biomarkers in Medicine*, 9(12) : 1331-1342 (Scopus,Science Citation Index (SCI); ISSN: 1752-0363)
10. Singh Anshika, **Khandwekar Anand, Sharma Neeti** (12/2015) Cancer Stem-Cell Related miRNAs: Novel Potential Targets for Metastatic Prostate Cancer. *Journal of Analytical Oncology*, 4(4) : 146-156 (Scopus; ISSN: 1927-7210)
11. **Kulkarni Ram** (03/2016) Metabolic Engineering: Biological Art of Producing Useful Chemicals. *Resonance*, 21(3) : 233-237 (Scopus; ISSN: 0971-8044)
12. **Reddy, K. J.**, & Nair, S. (03/2016). Double fortified salt: an effective measure to control micronutrient deficiencies in Indian pregnant women. *International Journal of Community Medicine and Public Health*, 3(3), 679-686 (Google Scholar, J-Gate; ISSN: 2394-6040)

Year April 2014- March 2015

Journal Papers Published

1. **Pareek Priyanka**, Ayesha Syeda (01/2015) Physical and academic performance of vegetarian and non-vegetarian school girls. *Advanced Studies in Biology*, 7(2) : 79-88
2. **Priyanka Pareek**, Hafiz Asfia (03/2015) A Study on Anemia Related Knowledge Among Adolescent Girls. *International Journal of Nutrition and Food Sciences*, 4(3) : 273-276
3. **Vaidya A** (02/2015) Understanding Infertility and the Potential Role of Stem Cells in Infertility Treatment: A Short Communication. *International Journal of Reproduction, Fertility & Sexual Health*, 2(1) : 37-40
4. **Vaidya Anuradha**, Kale Vaijayanti (01/2015) TGF-B signaling and its role in the regulation of hematopoietic stem cells. *Systems and Synthetic Biology*, 8(4)
5. **HedaooRadhika** (12/2014) Nutrition education and Child health care : A Cognitive approach using multimedia technology. *Advanced Studies in Biology*, 7(1) : 39-48
6. **Joshi Reddy Kejal**, Sirimavo Nair (12/2014) Double Fortified Salt and Deworming- Game changes in the battle against iodine and iron malnutrition in Indian school children. *Indian Journal of Community Health*, 26(2) : 175-182
7. **Mishra Neetu** (05/2014) The Role of Physical Exercise and Diet Modification on Lipid Profile and Lipid Peroxidation in Long Term Glycemic Control Type 2 Diabetics. *General Medicine: Open Access*, 2(3) : 1-3
8. **Sharma Neeti** (10/2014) Free radicals, antioxidants and disease. *Biology and Medicine*, 6(3) : 1-6
9. **Sharma Neeti**, ShitoleAjinkya, WadaskarAshwin (08/2014) Polyphenol Composition and in Vitro Antioxidant Activity of PrunusAmygdalus as Affected by Sprouting. *Asian Journal of Agriculture and Food Science*, 2(4) : 349-353
10. **Sharma Neeti**, ShitoleAjinkya, WadaskarAshwin (08/2014) Onion and ginger sprouting is associated with increased antioxidant activity. *International Journal of Biological and Medical Research (IJBMR)*, 5(4) : 4586-4589
11. **SinghaniaSmita**, Agarwal Vidhita (04/2014) The Ripples Around Development of Biosimilars. *International Journal of Pharmaceutical Sciences Review and Research*, 25(4) : 245-247
12. **Vaidya Anuradha** (04/2014) Can systems biology approach help in finding more effective treatment for acute myeloid leukemia?. *Systems and Synthetic Biology*
13. **Vaidya Anuradha**, RathodMaitreyi (09/2014) An in vitro study of the immunomodulatory effects of Piper nigrum (black pepper) and Elettariacardamomum (cardamom) extracts using a murine macrophage cell line. *American International Journal of Research in Formal, Applied and Natural Sciences (AIJRFANS)*, (8)
14. Ghani Sultan, **SinghaniaSmita** (04/2014) Back to the Future: Talking to your Medicine. *International Journal of Pharmaceutical Sciences Review and Research*, 25(2) : 259-261

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1. **Vaidya, Anuradha, Singhania, Smita** (04/2013) Quality Control Measures in Cord Blood Banking in India - Critical Appraisal and Recommendations. *Journal of Stem Cells*, 8(2) : 105-113
2. B kamble, A Gupta, **Patil Dada**, L khatal, S Janrao, L Moothedath, B Duriaswamy (05/2013) Determination of gymnemagenin in rat plasma using high - performance liquid chromatography - tandem mass spectrometry: application to pharmacokinetics after oral administration of Gymnemasylvestre extract. *Biomedical Chromatography*, 27(5) : 669-675
3. Choudhury K, **Ghooi R** (07/2013) New rules for clinical trial-related injury and compensation. *Indian journal of medical ethics*, 10(3) : 197-200
4. Gupta VH, Singh M, Amarpurkar DN, Sasi P, JM Joshi, Baijal R, Praveen Kumar KHR, Amarpurkar AD, **Joshi, K**, Wangikar PP (05/2013) Association of GST null genotypes with anti-tuberculosis drug induced hepatotoxicity in Western Indian population. *Annals of Hepatology*, 12(6) : 959-965
5. Joshi Mukta, Kundapura Shankar, ThirthaPoovaiah, Ingle Kundan, **DharPawan** (06/2013) Discovering Novel Anti-Malarial Peptides from the Not-coding Genome - A Working Hypothesis. *Current Synthetic and Systems Biology*, 1(1) : 1-4
6. ThirthaPoovaiah, Kundapura Shankar, **Ghooi RB** (10/2013) The big Cs of the informed consent form: compliance and comprehension. *Indian Journal of Medical Ethics*, 10(4) : 232-237
7. VH Gupta, DN Amarpurkar, M Singh, P Sasi, JM Joshi, R Baijal, PH Ramegowda, AD Amarpurkar, **Joshi Kalpana**, PP Wangikar (08/2013) Association of N-acetyltransferase 2 and cytochrome P450 2E1 gene polymorphisms with antituberculosis drug-induced hepatotoxicity in Western India. *Journal of Gastroenterology and Hepatology*, 28(8) : 1368-1374
8. VN Sumantran, **Tillu G** (04/2013) Insights on personalized medicine from ayurveda. *Journal of Alternative and Complementary Medicine.*, 19(4) : 370-375

Year April 2012- March 2013

Journal Papers Published

1. Arvind Chopra, V Tilak, **Tillu, G**, Sanjeev Sarmukaddam, AnuradhaVenugopalan, GumdalNarsimulu, RohiniHanda, VenilSumantran, Ashwini Kumar Raut, Ashwini Kumar Raut, **Joshi Kalpana, PatwardhanBhushan** (01/2013) Ayurvedic medicine offers a good alternative to glucosamine and celecoxib in the treatment of symptomatic knee osteoarthritis: A randomized, double-blind, controlled equivalence drug trial. *Rheumatology*, 52(8) : 1408-1417
2. B kamble, A Gupta, **Patil Dada**, S Janrao, L khatal, B Duriaswamy (02/2013) Quantitative Estimation of Gymnemagenin in Gymnemasylvestre Extract and its Marketed Formulations using the HPLC-ESI-MS/MS Method. *Phytochemical Analysis*, 24(2) : 135-140
3. MohdFauzi F, A Koutsoukas, R Lowe, **Joshi Kalpana**, TP Fan, RC Glen, A Bender (03/2013) Chemogenomics approaches to rationalizing the mode-of-action of traditional chinese and ayurvedic medicines. *Journal of Chemical Information and Modeling*, 53(3) : 661-673
4. **Dhar PK** (08/2012) Science and Spirituality - explaining evolution. *Nature India*
5. **Dhar PK** (07/2012) Science and Spirituality - analyzing illusions. *Nature India*
6. **Dhar PK** (12/2012) Virtual Cell: Making a virtual heart. *Nature India*
7. **Dhar PK** (10/2012) Science and Spirituality - soul searching. *Nature India*
8. **Dhar PK** (06/2012) Science and Spirituality - decoding nothingness. *Nature India*
9. **Dhar PK** (05/2012) Science and Spirituality. *Nature India*
10. **Dhar PK** (04/2012) Virtual Cell: Computing human brain. *Nature India*
11. **Ghooi RB** (05/2012) Ayurveda for Modern Medical Practitioners. *Journal of Ayurveda and Integrative Medicine*, 3(1) : 51-52
12. **Ghooi RB**, SR Deshpande (10/2012) Patients rights in India: an ethical perspective. *Indian journal of medical ethics*, 9(4) : 277-278
13. **Joshi Kalpana** (10/2012) Insights into Ayurvedic biology - A conversation with Professor M.S. Valiathan. *Journal of Ayurveda and Integrative Medicine*, 3(4) : 226-229
14. **PatwardhanBhushan** (04/2012) Adding life to years with Ayurveda. *Journal of Ayurveda and Integrative Medicine*, 3(2) : 55-56
15. **PatwardhanBhushan** (07/2012) Ayurveda: Finding place in own house. *Journal of Ayurveda and Integrative Medicine*, 3(3) : 109-110
16. B kamble, A Gupta, **Patil, D.**, B Duriaswamy (10/2012) In Silico Modeling Studies of the Constituents of GymnemaSylvestreR. *American Journal of PharmTech Research*, 2(5) : 435-451
17. Sumantran VN, **Tillu G** (05/2012) Cancer, Inflammation, and Insights from Ayurveda. *Evidence-Based Complementary and Alternative Medicine*, : 1-11

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Journal Papers Published

1. **Dhar PK** (03/2012) Virtual Cell: Making virtual human skin. *Nature India*
2. **Dhar PK** (02/2012) Virtual Cell: Making a virtual human liver. *Nature India*
3. **PatwardhanBhushan** (01/2012) Two years of J-AIM. *Journal of Ayurveda and Integrative Medicine*, 3(1) : 1-2
4. Arvind Chopra, ManjeetSaluje, **Tillu G**, AnuradhaVenugopalan, GumdalNarsimulu, Sanjeev Sarmukaddam, **Patwardhan B.** (01/2012) Evaluating higher doses of Shunthi - Guduchi formulations for safety in treatment of osteoarthritis knees: A Government of India NMITLI arthritis project. *Journal of Ayurveda and Integrative Medicine*, 3(1) : 38-44
5. PP Doke, Karantaki MV, **Deshapnde, Shailesh** (02/2012) Adverse pregnancy outcomes in rural Maharashtra, India (2008-09): A retrospective cohort study. *BMC Public Health*, 12(1)
6. **Dhar PK** (12/2011) Virtual cell: Making tiny life forms. *Nature India*
7. **Dhar PK** (11/2011) Virtual Cell: How to make one. *Nature India*
8. **Ghooi RB** (11/2011) Status of Indian Medicine and Folk. *Journal of Ayurveda and Integrative Medicine*, 2(4) : 217-218
9. **Ghooi RB, PatwardhanBhushan** (10/2011) Dr. Ashok DB Vaidya. *Journal of Ayurveda and Integrative Medicine*, 2(4) : 209-210
10. **PatwardhanBhushan** (10/2011) Planned progress for health. *Journal of Ayurveda and Integrative Medicine*, 2(4) : 161-162
11. **PatwardhanBhushan** (06/2011) Let's plan for national health. *Journal of Ayurveda and Integrative Medicine*, 2(3) : 103-104
12. **PatwardhanBhushan** (04/2011) European union ban on ayurvedic medicines. *Journal of Ayurveda and Integrative Medicine*, 2(2) : 47-48

Book Chapters Published

1. PuranikAmrutesh, **Patwardhan B.** (02/2012) Ayurveda and Metabolic Diseases: The Whole is Greater than the Sum of the Parts. In: *Nutritional and Therapeutic Interventions for Diabetes and Metabolic Syndrome* Elsevier Inc. pp: 443-456