DEPARTMENT OF BIOTECHNOLOGY

DAYANANDA SAGAR COLLEGE OF ENGINEERING

One of the main objectives and best practices of our department is to foster faculty members, research scholars and students to publish their research findings inreputed national and international journals with high citation index and impact factors such as Elsevier, Springer, Wiley-Blackwell, Tailor & Francis, Oxford Journals, Bentham Sciences etc. They are also encouraged to submit the abstracts and present their research works to various national and international conferences and symposiums organized by premier institutions and scientific/professional organizations. The department also encourages the faculty members to contribute textbooks and book chapters related to diverse fields of biotechnology. Few of our faculty members serve as the editorial board members and reviewers for some of the reputed international journals

LIST OF PUBLICATIONS BY FACULTY MEMBERS

National & International Journals

List of Publication 2016

S.No	Faculty name / Authors name	Title of the paper	Journal Name/ Year, Volume, Issue & Page number
1.	**Sinosh Skariyachan,** Vishal Manjunatha, Subiya Sultana, Chandana Jois, Vidya Bhai and **Kiran Vasist**	Novel bacterial consortia isolated from…….low density polyethylene	Environmental Science and Pollution Research Doi10.1007/s11356-016-7000-y
2.	**Shinomol GK**,S Ranganayaki, Apurva K Joshi,AGayathri, Harsha Gowda, Muralidhara, MM Srinivas Bharath	Characterization of age-dependent changes in striatum:……3-nitropropionic acid	Mechanisms of Ageing and Development, 2016 http://dx.doi.org/10.1016/j.mad.2016.04.008
3.	**Sinosh Skariyachan**	Assessment of antibiotic resistance patterns…….. drug targets of MDR pathogens by computational virtual screening	International Journal of Infectious Diseases 45 (S1): 116.
4.	**Sinosh skariyachan,** Apoorva prasanna, sirisha P. Manjunath,	Exploring the medical potential of the…….against	International Journal of Medicinal mushrooms; 2016; 18 (3): 245-252

	Soujanya S Karanth and Ambika Nazre	multidrug-resistant Bacterial isolates	
5.	Anagha S Setlur, sujay Y Naik, **Sinosh Skariyachan**	Herbal lead as ideal bioactive ompounds…… . A computational drug discovery perspective	Interdiscip Sci Comput Life Sci, 2016, doi:10.1007/s12539-016-0149-8
6.	**Sinosh skariyachan ,** Apoorva prasanna, Sirisha P.Manjunath, Soujanya S Karanth et al,	Environmental assessment ……. Textile industries in Karnataka , India	Environ Monit Asses, 2016,188:1-8
7.	Priyanka Patil, Naveen Kumar N, **Shinomol George K.**	User Interface for Metagenomics Data Analysis	International Journal of Recent Trends in Engineering and Research. 2016 2 (4):264-267.
8.	Ramakrishna D, Shashank T, **Shinomol George K, Kiran S, Ravishankar GA** .2016	*Salacia sps.:* A Source of Herbal Drug for Several Human Diseases and Disorders.	International Journal of Current Pharmaceutical Review and Research; 7(3); 129-140.

List of Publication 2015

S.No	Faculty name / Authors name	Title of the paper	Journal name / conference name / Year & PP
1	**Madhu HN**, Pushkar Ramesh, **Manasha V anand**, Surabhi sathyanarayana, Nitya Sarjapuram, Apekha Chandrashekar, Gautham subramaniam	The potential of hydrolytic…… fruit juice clarification	International Journal of Pharmacognosy and Phytochemical Research, 2015, 7(4):750-757
2	**Sinosh skariyachan,** Archana B acharay, Saumya subramaniyan, Sumangala babu, Sruthi kulkarni & **Rajeswari Narayanappa**	Secondary metabolites …….. an *invitr*o and *insilico* investigation	Journal of Biomolecular Structure and Dynamics, 2015, 18,1-19 doi:10.1080/07391102.2015.1094412
3	Varsha Sathyanarayan, Disha Mohan, **Sinosh Skariyachan , Rajeswari Narayanappa**	Computational virtual screening….. MCF-7 cell lines	International Journal of Applied Sciences and Engineering, 2015, 1:65-71
4	**Sinosh skariyachan , Arpitha Badrinath Mahajanakatti**, Nisha Jayaprakash Grandhi, Akshatha prasanna, Ballari sen, narasimha sharama, Kiran S vasist, **Rajeswari Narayanappa,**	Environmental monitoring ……. Water source in Karnataka india	Environ Monit Assess, 2015, 187(5):279. doi: 10.1007/s10661-015-4488-4

5	**Sinosh skariyachan** , M Megha, Meghna niranjan Kini, Kamath Manali Mukund, Alya Rizvi, **Kiran S vasist**	Selection and screening …….. Rural areas of Bangalore India	Environ Monit Assess, 2015, 187(1), 4174.
6	Madhuri G.S aithal, **Rajeswari Narayanappa**	Validation of housekeeping genes……. Real time polymerase chain reaction	Brian Tumor Res Treat, 2015, 3(1):24-29.
7	Sangeetha R, Diea YKT, Chaitra C, Malvi PG and **Shinomol GK**	The Amazing Bamboo…… potential	Indian Journal of Nutrition, 2015, 2:75-79
8	Priya Patil, **Sinosh kariyachan,** Eshita Mutt, Swati Kaushik	Computational analysis…… probable lead molecules	Intediscip Sci Comput Life Sci, 2015, doi; 10.1007/s12539-015-0282-9
9	Shashank A Tidke, D. Ramakrishna, **S.Kiran**, G.Kosturkova and **G.A Ravishankar**	Nutraceutical potential of soybean: review	Asian Journal Clinical Nutrition, 2015, doi:10.3923/ajcn.2015
10	**Arpitha BM**	Risk assessment of …….. human cell lines	International Journal Of Science And Research, 2015, 4, pp1288
11	D. Ramakrishna, Shashank A Tidke, **Shinomol George**, **Kiran.S, Ravishankar GA,**	Salacia sps-…… A detailed treatise	International Journal of Pharmacognosy And Phytochemical Research, 2015, 7:374-382
12	**Sinosh skariyachan**, anitha pachyappan, Jeenu joy, Rupam Bhaduri, Imlimaong Aier, Kiran S. Vasist	Investigating …….. invitro assays	Journal of Biomolecular Structure and Dynamics, 2015, doi:10.1080/07391102.2015.10004110.
13	**Shinomol Gk** and Muralidhara	Bacopa monnieri…… i*nvivo* evidences	Neuroscience and Biomedical Engineering, 2015, 3:102-115
14	**Rajeshwari Narayanappa**, Pritilata rout, madhuri G.S Aithal, Ashis Kumar chand	Aberrant expression….. paraffin embedded tissues	Tumor Boil,2015.doi:10.1007/s13277-015-4592-7
15	Madhuri G.S Aithal, **Rajeshwari Narayanappa**	Notch signaling in cancer	Journal of Genetics, 2015, Doi: 10.1002/9780470015902.a0024868
16	**Shinomol George K, Bhanu Revathi K,** Deepa N, Pooja Sheregar C, Ashwini T.S, Suchandrima das	A study on the potential…… various lakes in Bangalore	Resource Efficient Waste Mangment: proceedings of 5th Icon SWM2015, PP1103-1113

List of Publication 2014

SI. No.	Faculty name / Authors name	Title of the paper	Journal name / conference name / Year & PP
1	Shashank Ashokrao Tidke, **S. Kiran** and Sanjay Ningappa Harke	Analysis of genetic diversity in 20 cotton Germplasm lines using random amplified polymorphic DNA marker	Asian Journal of Plant Sciences, 2014, 13(4-8): 184-189
2	Showmy K.S, **Sinosh Skariyachan** and Yusuf A	Comparative modeling of pathogenesis related 4B protein (Q6T5J8) of Oryza sative subsp. indica with the tree dimensional structure of BARLEY1BW3	International Journal of Plant, Animal and Environmental Sciences, 2014, 4(4), pp-41
3	**Sinosh Skariyachan**; Naik Sowmyalaxmi Narayan, Tejaswini S Aggimath, Sushmitha Nagaraj, Monika S Reddy and **Rajeswari Narayanappa**	Molecular modeling on Streptolysin-O of Multidrug resistant *Streptococcus pyogens* and computer aided screening and *invitro* assay for novel herbal inhibitors	Current Computer Aided Drug Designing, 2014, 10,
4	**Arpitha Badarinath mahajankatti**, Geetha Murthy, Narashimha Sharma, **Sinosh Skariyachan**	Exploring inhibitory potential of curcumin against various cancer targets by *insilico* virtual screening	Interdiscip Sci Comput Life Science, 2014, 6:13-24
5	Ranga Rao Ambati, Siw Moi Phang, Sarada Ravi and **Ravishankar Gokare Aswathanayana**	Astaxanthin: sources, Extraction, stability, Biological activities and its commercial applications – A review	Marine drugs, 2014, 12,128-152.
6	Shashank Ashokrao Tidke, **S. Kiran**, Sanjay Ningappa Harke, **Ravishankar Gokare Aswathanayana**	Analysis of genetic diversity…… Polymorphic DNA marker	Asian Journal of Plant Sciences, 2014, 13,184-189
7	Preetham J, Sharath R, Prasnna Kp, Sujan ganapathy and **Kiran .S**	Evaluation of invitro antioxidant ……. *Piper longum linn*.	Research Journal of Pharmaceutical, Biological And Chemical Sciences, 2014, 5(6):174-179.
8	Madhuri GS Aithal, **Narayanappa Rajeswari**	Selection of suitable housekeeping genes……. Real time PCR	Molecular Cytogenetics, 2014, P18,
9	Meenakshi S R , **Arpitha B M , Shivakumara Bheemanaik**	Morphological Image Processing Approach Using K-Means Clustering for Detection of Tumor in Brain	International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064

List of Publication 2013

S.No	Faculty name / Authors name	Title of the paper	Journal name / conference name / Year & PP
1	**Sinosh Skariyachan**, Nisha Jayaprakash, Naya Bharadwaj, **Rajeswari Narayanappa**	Exploring insights for virulent…… via insilico screening	Journal of Biomolecular Structure Dynamics, 2013, doi:10.1080/07391102.2013.819787
2	A.Ranga rao, V.Baskarn, R.Sarada, **G.A.Ravishankar**	Invivo bioavailability……. A repeated dose study	Food Research International, 2013, 54,711-717
3	Ambati Ranga Rao, H.N. Sindhuja, Shylaja M.Dharmesh, Kadimi udya Shankar, Ravi Sarada and **Gokare Aswathanarayana Ravishankar**	Effective inhibition skin cancer……. The green alga *heamatococcus pluvialis*	Journal of Agricultural and Food Chemistry, 2013, 61:3842-3851
4	Madhuri GS Aithal and **Narayanappa Rajeswari**	Role of notch signaling …….. DNA methylation	Journal of Genetics, 2013, 92: 6667-6785
5	**S Skariyachan**, A.G.Rao, M.R.Patil, B.Saikia, V.Bharadwaj KN and **J.Rao GS**	Antimicrobial potential of metabolites…….. in coastal area of gulf of mannar biosphere India	Letters in Applied Microbiology, 2013, doi:10.1111/1am.12178

List of Publication 2012

S.No	Faculty name / Authors name	Title of the paper	Journal name / Year & PP
1	**Sinosh Skariyachan**, Navya Bharadwaj and Nisha Prakash	Computer Aided virtual screening and selection of Novel Phytoligands against shiegelosis	International Journal of Current Research, 2012, 4 (05), 084-090
2	**Sinosh Skariyachan**, Priyanka Lokesh, Reshma Rao, Arushi Umesh kumar, **Kiran S Vasist, Rajeswari Narayanappa**	A Pilot study on water pollution…….. Ramanagra district, Karanataka, Inda	Environ Monit Asses, 2012, 185(7):5483-95. 10.1007/s10661-012-2961
3	**Sinosh Skariyachan,** Nisha prakash, Navay Bharadwaj	*Insilico* exploration of novel phytoligands aginst probable drug target of clostridium tetani	Interdicipl Sci Compu Life Sci, 2012, 4:1-9.
5	Mahesh Shrinivasan, **Sinosh Skariyachan,** Vaka Aparna & Vinod Rama Kolte	Homology modeling of CBI receptor……. Against Obesity	Bioinformation, 2012, Vol 8(11)
6	**Sinosh Skariyachan**, Arpitha Badarinath mahajanakatti, Narasimha Sharma, Shraddha Karanth, Shruthi Rao, & **Narayanappa Rajeswari**	Structure based virtual screening……. Resistant superbugs	Bioinformation, 2012, 8(9), 420-425.
7	**Madhu HN,** Mubin Tarnum, Raghavendra, Santhosh	Design and construction of photobioreactor….biohydrogen	KSBDB, 2012, Project 15

		production	

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S.No	Faculty name / Authors name	Title of the paper	Journal name / conference name / Year & PP
1	Rao SK, Biradar UB, **Sinosh Skariyachan,**	Insilico simulation and docking studies of E2F3 tumer moarker…… for prostate and breast cancer	Journal of Carcinogenesis, 2011, 10, S15
2	Usha Veerachari, Shilpa Venkatesh, Anuradha Yadav and **Dr Rajeswari narayanappa**	Biomonitoring genetic instability…… micronucleus test	International Multidesciplinary Journal, 2011. ½:01-09
3	**Arpitha BM**, Sharma, N. **Skariyachan S**	*Insilico* investigation and docking simulation …… gastroduodenal cancer	Journal of Carcinogeniss, 2011, 10, S5
4	**Sinosh Skariyachan, Arpitha BM**, Sharma, N	An integrative insilico characterization……. Beta enolase deficiency	International Journal Of Pharma and Biosciences, 2011, 2 (1): B153- B165
5	**Narayanapp R**	Genotoxic effect of cancer patient's serum on normal blood leukocytes evaluated by "comet assay"	Journal of Carcinogeneis. 2011, 10, S7
5	DM shiva Reddy, **Sinosh Skariyachan,** Balaguru palanivel, Dalal Tirth anish, Jacob kiran, Rahul Gopal	VIRO-INFORMATICS: Finding a Herbal……. by RANi technique	International Journal of Pharmaceutical Sciences Review and Research, 2011, 10 (1), 142-P146
6	**Sinosh Skariyachan,** Rao shruthi Krishnan, Snehapriya Bangalore siddapa, chitra Salian, Prerana Bora, Denoj Sebastian	Computer aided …….....MRSA infections	Bioinformation, 2011, 7(5): 222-233
7	**Sinosh Skariyachan, Arpitha Badarinath Mahajanakatti**, Narasimha Sharma, Murugan sevanan	Selection of herbal therapeutics against deltatoxin mediated Clostridial infections	Bioinformation, 2011, 6(10):375-379.

List of Publication 2010

Sl.No	Faculty name / Authors name	Title of the paper	Journal name / conference name / Year & PP
1	**Sinosh Skariyachan, Arpitha B Mahajanakatti**, Usha B Biradar, Narashimha Sharma, Abhilash M	Isolation, identification and characterization of clostridium perfringens……. Its delta enterotoxin	International Journal of Pharmaceutical Sciences Review and Research, 2010, 4(2), 164.

2	**Sinosh Skariyachan,** Ashwini MP, Ambreen Hina Ch, diksha M Jain, Abhilash M	Design and discovery of novel therapeutic drugs against *Helicobacter pylori* gastroduodenal cancer by insilico approach	Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2010, 1(4), 1005-1016.
3	**Sinosh Skariyachan**, Athira jagadesh, Monusha S Kumar, Rashmi R Shetty, Sharmila singh V	Fermentative production and downstream characterization of single cell protein from food wastes	International Journal of Pharmaceutical Science and Biotechnology, 2010, 1(4): 294-300
4	**Sinosh Skariyachan,** Rao Shruthi Krishana, Usha B Biradar	*insilico* investigation and docking studies of E2F3 Tumor Marker:…….. prostate and breast cancer	International Journal of Pharmaceutical Science And Drug Research, 2010, 2(4), 254-260
5	**Arpitha BM**, Narasimha Sharma, **Sinosh Skariyachan**	*Insilico* biomodelling and docking studies of Claudin 1;……. *E.Coli* infections	International Journal of Pharma Sciences and Research, 2010, 421-429

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LIST OF PUBLICATIONS COAUTHORED BY STUDENTS

National & International Journals

S.No	Faculty name / Authors name	Title of the paper	Journal Name/ Year, Volume, Issue & Page number
		2010	
1	Sinosh Skariyachan, **Arpitha B Mahajanakatti, Usha B Biradar, Narashimha Sharma**, Abhilash M	Isolation, identification and characterization of clostridium perfringens……. Its delta enterotoxin	International Journal of Pharmaceutical Sciences Review And Research, 2010, 4(2), 164.
2	Sinosh Skariyachan, **Ashwini MP, Ambreen Hina Ch, Diksha M Jain**, Abhilash M	Design and discovery of novel therapeutic drugs against *Helicobacter pylori* gastroduodenal cancer by insilico approach	Research Journal of Pharmaceutical, Biological And Chemical Sciences, 2010, 1(4), 1005-1016.
3	Sinosh Skariyachan, **Athira jagadesh, Monusha S Kumar, Rashmi R Shetty, Sharmila Singh V**	Fermentative production and downstream characterization of single cell protein from food wastes	International Journal of Pharmaceutical Science And Biotechnology, 2010, 1(4): 294-300
4	Sinosh Skariyachan, **Rao Shruthi Krishana, Usha B Biradar**	*insilico* investigation and docking studies of E2F3 Tumor Marker:…….. prostate and breast cancer	International Journal of Pharmaceutical Science and Drug Research, 2010, 2(4), 254-260
5	**Arpitha BM, Narasimha Sharma**, sinosh Skariyachan	*Insilico* biomodelling and docking studies of Claudin 1;……. *E.Coli* infections	International Journal of Pharma Sciences and Research, 2010, 421-429
		2011	
1.	**Rao SK, Biradar UB**, Sinosh Skariyachan,	Insilico simulation and docking studies of E2F3 tumer moarker…… … for prostate and breast cancer	Journal of Carcinogenesis, 2011, S15
2.	**Arpitha BM, Sharma, N**. Sakriyachan S	*Insilico* investigation and docking simulation …… gastroduodenal cancer	Journal of Carcinogeniss, 2011, Vol10

3.	Sinosh Skariyachan, **Arpitha BM, Sharma, N**	An integrative insilico characterization…… ……. Beta enolase deficiency	International Journal of Pharma and Biosciences, 2011, 2 (1), 153- 165
4.	Sinosh Skariyachan, **Rao shruthi Krishnan, Snehapriya Bangalore siddapa, chitra Salian, Prerana Bora**, Denoj Sebastian	Computer aided …….....MRSA infections	Bioinformation, 2011, 7(5): 222-233
5.	Sinosh Skariyachan, **Arpitha Badarinath Mahajanakatti, Narasimha Sharma**, Murugan sevanan	Selection of herbal therapeutics against deltatoxin mediated Clostridial infections	Bioinformation, 2011, 6(10): 375-379.
2012			
1.	Sinosh Skariyachan, **Navya Bharadwaj and Nisha Prakash**	Computer Aided virtual screening and selection of Novel Phytoligands against shiegelosis	International Journal of Current Research, 2012 4 (5), 84-90
2.	Sinosh Skariyachan, **Priyanka Lokesh, Reshma Rao, Arushi Umesh kumar**, Kiran S Vasist, Rajeswari Narayanappa	A Pilot study on water pollution…….. Ramanagra district, Karanataka, Inda	Environ Moint Asses, 2012, Doi 10.1007/s10661-012-2961
3.	Sinosh Skariyachan, **Nisha prakash, Navay Bharadwaj**	*Insilico* exploration of novel phytoligands aginst probable drug target of clostridium tetani	Interdicipl Sci Compu Life Sci, 2012, 4:1-9.
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2013			
1	Sinosh Skaryachan, **Nisha Jayaprakash, Naya Bharadwaj**, Rajeswari Narayanappa	Exploring insights for virulent…… via insilico screening	Journal Of Biomolecular Structure Dynamics, 2013, doi:10.1080/07391102.2013.819787
2	S Skariyachan, **A.G.Rao, M.R.Patil, B.Saikia, V.Bharadwaj KN** and J.Rao GS	Antimicrobial potential of metabolites…….. in coastal area of gulf of mannar biosphere India	Letters in Applied Microbiology, 2013, doi:10.1111/1am.12178
2014			
1	Sinosh Skariyachan; **Naik Sowmyalaxmi Narayan, Tejaswini S Aggimath, Sushmitha Nagaraj, Monika S Reddy** and Rajeswari	Molecular modeling on Streptolysin-O of Multidrug resistant *Streptococcus pyogens* and computer aided screening and *invitro* assay for novel	Current Computer Aided Drug designing, 2014, 10,

	Narayanappa	herbal inhibitors	
2	**Arpitha Badarinath Mahajankatti, Geetha Murthy, Narashimha Sharma**, Sinosh Skariyachan	Exploring inhibitory potential of curcumin against various cancer targets by *insilico* virtual screening	Interdiscip Sci Comput Life Science, 2014, 6:13-24
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2	Sinosh skariyachan, **Archana B acharay, Saumya Subramaniyan, Sumangala Babu, Sruthi Kulkarni** & Rajeswari Narayanappa	Secondary metabolites …….. an invitro and insilico investigation	Journal of Biomolecular Structure and Dynamics, 2015, doi:10.1080/07391102.2015.1094412
3	**Varsha Sathyanarayan, Disha Mohan**, Sinosh skariyachan , Rajeswari Narayanappa	Computational virtual screening….. MCF-7 cell lines	International Journal of Applied Sciences and Engineering, 2015, 1:65-71
4	Sinosh skariyachan , **Arpitha Badrinath Mahajanakatti, Nisha Jayaprakash Grandhi, Akshatha Prasanna, Ballari Sen, Narasimha Sharama**, Kiran S vasist, Rajeswari Narayanappa,	Environmental monitoring ……. Water source in Karnataka india	Environ Monit Assess, 2015, doi: 10.1007/s10661-015-4488-4
5	Sinosh skariyachan , **M Megha, Meghna Niranjan Kini, Kamath Manali Mukund, Alya Rizvi**, Kiran S vasist	Selection and screening …….. Rural areas of Bangalore India	Environ Monit Assess, 2015, 187, pp.4174
6	**Sangeetha R, Diea YKT, Chaitra C, Malvi PG** and Shinomol GK	The Amazing Bamboo…… potential	Indian Journal of Nutrition, 2015, 2:75-79
7	**Priya Patil**, Sinosh Skariyachan, Eshita Mutt, Swati Kaushik	Computational analysis…… probable lead molecules	Intediscip Sci Comput Life Sci, 2015, doi; 10.1007/s12539-015-0282-9
8	Sinosh Skariyachan, **Anitha Pachyappan**, **Jeenu Joy**, **Rupam Bhaduri**, **Imlimaong Aier**, Kiran S. Vasist	Investigating …….. assays	Journal of Biomolecular Structure And Dynamics, 2015, doi:10.1080/07391102.2015.10004110.

9	Shinomol George K, Bhanu Revathi K, **Deepa N, Pooja Sheregar C, Ashwini T.S, Suchandrima Das**	A study on the potential…… various lakes in Bangalore	Resource efficient waste management: proceedings of 5th Icon SWM2015, PP1103-1113
2016			
1.	**Anagha S Setlur, Sujay Y Naik**, Sinosh Skariyachan	Herbal lead as ideal bioactive compounds……. A computational drug discovery perspective	Interdiscip Sci Comput Life Sci, 2016, doi:10.1007/s12539-016-0149-8
2.	Sinosh skariyachan , **Apoorva prasanna, Sirisha P.Manjunath, Soujanya S Karanth, Ambika N**	Environmental assessment ……. Textile industries in Karnataka , India	Environ Monit Asses, 2016,188:1-8
3.	Sinosh skariyachan, **Vishal Manjunatha, Subiya Sultana, Chandana Jois, Vidya Bhai** and Kiran Vasist	Novel bacterial consortia isolated from…….low density polyethylene	Environmental Science And Pollution Research doi10.1007/s11356-016-7000-y
4.	Sinosh skariyachan, **Apoorva Prasanna, Sirisha P. Manjunath, Soujanya S Karanth** and **Ambika Nazre**	Exploring the medical potential of the…….against multidrug-resistant Bacterial isolates	International Journal of Medicinal Mushrooms; 2016; 18 (3):245-252