

BIODATA

Name: **Dr. Ekta Menghani**

Designation: **Associate Professor in Biotechnology**

Department/University: Department of Biotechnology: JECRC University, Jaipur, India

Date of Birth: 10th June 1975

Sex: F

Education

S.No.	Institution Place	Degree Awarded	Year	Award /Prize/Certificate
1.	University of Rajasthan, Jaipur	Ph.D.	2007	
2	University of Rajasthan, Jaipur	M.Sc.	1997	1 st Division

Research Experience in various Institutions (Research – 20 years; Teaching : 10 years)

Associate Professor, Department of Biotechnology, JECRC University, Jaipur since July 2015; Women Scientist A, DST, New Delhi since 2012; Assistant Professor at Mahatma Gandhi Institute of Applied Sciences, JECRC Foundation, Jaipur since 2007.

Project fellow in UGC Sponsored project entitled “The potentials of *Trigonella foenum-graecum* and *Verbesina encelioides* as source of New Drugs” from April 2003 to March 2007.

Researcher at National Institute of Ayurveda, Jaipur for Standardization of ISM Drugs of APC (Ayurvedic Pharmacopoeial Committee), Ministry of Health and Family Welfare from July 1997 to March 2003.

Publication (Number only) **Journals 69 + Conferences 20**

Books:**12**

Reports - Nil

General articles - Nil

Patents - **02 filed** No. of Ph.D. awarded : 02 Submitted 02 + 06 Ongoing

Patent number	Docket no.	CBR Number	patent numbered	Reference number	Priority Country	dated
I	15931	10346	1365/DEL/2015	E-2/1921/2015-DEL E-3/7376/2015-DEL	INDIA	15-05-2015

				E-5/1303/2015-DEL		
II	32275	21551	3198/DEL/2015	E-2/885/2015-DEL E-3/3321/2015-DEL E-5/688/2015-DEL	INDIA	06-10-2015

List of Important Publication

1. Meeta Masand, K. Kamalakshi Sivakala, Ekta Menghani, T. Thinesh, R. Anandham, G. Sharma, N. Sivakumar, Solomon, R. D. Jebakumar and P. A. Jose. 2018. Biosynthetic Potential of Bioactive Streptomycetes Isolated from arid region of the thar Desert, Rajasthan (India). *Frontiers in Microbiology*. 9: 687.
2. Abhishek Sharma and Ekta Menghani. 2017. Microorganisms as chemical factories for isolation of Metabolomes from Mesophilic soil. *International Journal of Pharmacy and Pharmaceutical Sciences*. 9(4): 121-128.
3. Richa Tyagi, Ekta Menghani and Gaurav Sharma. 2017. An endangered medicinal plant, *Plumbago zeylanica* L. and its substitute *Dyerophytum indicum* (Gibbs ex Wight) Kuntze: A comparative HPTLC, HPLC Study and screening of antioxidant activity. *JPC Journal of Planar Chromatography – Modern TLC*. 30(1)DOI: 10.1556/1006.2017.30.1.2
4. Sharma, A., & Menghani, E. Antibiotic potentials and isolation of metabolomes from microorganisms of mesophilic soil of Rajasthan, India. *African Journal of Microbiology Research*, 11(8), 335-344. (2017).
5. Meeta Masand, Gaurav Sharma and Ekta Menghani. A review of research on actinomycetes in Rajasthan. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences Paper*. 18(3): 673-677 (2016),
6. Tyagi R. G. Sharma. N.D. Jasuja and E. Menghani. Indian Medicinal Plants as an effective antimicrobial agent. *J. Crit Rev* 3(2): 69-71(2016).
7. Adnan Khokar and Ekta Menghani. Screening of successive extracts of *Amorphophallus konjac* for antibacterial activity. *African Journal of Biotechnology*. 14(34): 2599-2603 (2015).
8. Meeta Masand, Jose polpass Arul, Ekta Menghani. Countinuing hunt for endophytic actinomycetes as a source of novel biologically active metabolites. *World Journal of Microbiology and Biotechnology*. 31: 1863-1875 (2015).

9. Adnan Khokar and Ekta Menghani. TLC and GC-MS Analysis of methanol extract of Root of *Prosopis cineraria* from Jaipur, Rajasthan, India. *Intl J. Sci Eng Res.* 7(6): 537-543. (2016)
10. Adnan Khokar and Ekta Menghani. Antimicrobial Activity of *Prosopis cineraria* (leaf) methanol and chloroform extract against selected bacterial species. *International Journal of Pharma and Biosciences.* 6(3): (B) 222-229. (2015)
11. Menghani E., Saini P., Khokar A., “Amorphophallus species as potential source of antimicrobial agent”, *Asian Journal of Biomedical and Pharmaceutical Sciences.* 4 (36), 67-70, (2014).
12. Saini P., Menghani E., Kumari N. and Khokar A., “Antimicrobial Ability of *Curcuma Longa* Extract Cloth As Antibiotic Environment”, *Intl. J. Pharma. Bio. Sci.* 5 (2), 924, (2014)
13. Richa Tyagi and Ekta Menghani. Phytochemical standards of Chitrak: a boon of therapeutic. *Journal of Advanced Pharmaceutical Research* 5(1): 18-21. (2014).
14. Richa Tyagi, Ekta Menghani, Meeta Masand, Ruhel Dubey. The physiochemical standards of *Dyerophytum* and *Plumbago zeylanica* leaf: a co-comparison. *World Journal of Pharmacy and Pharmaceutical Sciences.* 4(1): 680-686. (2014).
15. Pareek, A. Vashishtha, S. Moin, E. Menghani. Bioreduction of fluoride in affected water samples of Jaipur by *Oscillatoria* (Cyanophyta) species. 16(1): 86-94.(2014).
16. Rao Nidhi, Mittal Sandhya, Sudhanshu and Menghani Ekta. Assessment of phytochemical Screening, Antioxidant and Antibacterial Potential of the methanolic extract of *Ricinus communis*. 3(1): 20-25. (2013).
17. Richa Tyagi, Ekta Menghani and Vinita Singh. A review on commonly used Indian Medicinal Plants and its medicinal use. 4(2): 1680-1695. (2015)
18. Ekta Menghani, Apoorva rana, Pushpendra saraswat and Arvind Pareek. Antibacterial potentials of two Indian Spices. *International Journal of Pharma and Biosciences.* 5(3): 666-672.(2014).
19. R. Gupta, A. Jain, Y. Madan, E. Menghani. A one pot environmental friendly, Multicomponent synthesis of 2-amino-5-cyano-4-(2-aryl)-1H-indol-3-yl)-6-hydroxypyrimidines and their antimicrobial activity. 2014. *Journal of Heterocyclic chemistry.* 51(5): 1395-1403. (2014). DOI 10.1002/jhet.1796

20. Masand Meeta and Ekta Menghani. Antimicrobial activity of isolates of actinomycetes from soils of semi arid regions of Rajasthan. *World Journal of Pharmacy and Pharmaceutical Sciences*. 4(4): 1549-1556(2015).
21. Ragini Gupta, Yogita Madan and Ekta Menghani. Microwave assisted ZnO Nanocatalysed biginelli synthesis of Pyrazolopyrimidione derivatives and evaluation of their bioactivity. *Journal of Applicable chemistry*. 3(5): 1955-1966. (2014).
22. Bioactive secondary metabolites: an overview. 2014. *International Journal of Scientific and Engineering Research*. 5(4): 1395- 1407.
23. Richa Tyagi and E. Menghani. A review on *Plumbago zeylanica*: A compelling herb. 2014. *International Journal of Pharma Sciences and Research*. 5(4) : 119-126.
24. Richa Tyagi and E. Menghani .Phytochemical Evaluation of *Plumbago zeylanica*: a prevailing herb. 2014 *Innovare Journal of Health Sciences*. 2(1): 1-2.(2014).
25. Nidhi Rao, Sandhya Mittal, Sudhanshu and Ekta Menghani. In vitro Phytochemical screening antioxidant and antimicrobial activity of the methanolic extract of *Quercus infectoria* L. *International Journal of Pharmacy and Pharmaceutical Sciences*. 5(2): 273-277.
26. Nidhi Rao, Sandhya Mittal, Sudhanshu and Ekta Menghani. Antioxidant potential and validation of bioactive Beta sitosterol in *Eulophia campestris* Wall. 4(1) 136-142 (2013).
27. Isolation, Identification and Characterization of Oil degrading Bacteria Isolated from the contaminated sites of Barmer, Rajasthan. 2013. *International Journal of Biotechnology and Bioengineering Research*. 4(5): 429-436(2013).
28. Ekta Menghani and Mohit Soni. 2012. Antimicrobial efficacy of *Cassia tora* and *Aconitum napellus*. *International Journal of Pharmacy and Pharmaceutical Sciences*. 4(3): 700-702
29. Ekta Menghani, Kamna Bhatnagar, Pushendra Sarswat and Mohit soni. 2012. Isolation and characterization of bioactives from arid zone plants. *International Journal of Pharmaceutical Research and Development*. 4(2): 113-118
30. Ekta Menghani and Sita Kumari Sharma. 2012. Search for antimicrobial efficacy of certain Indian Medicinal Plants. *World Journal of Pharmaceutical Research*. 1(2): 157-168.

31. Ekta Menghani and Mohit Soni. 2012. Search for Antimicrobial Efficacy of Certain Indian Medicinal Plants. International Journal of Pharmaceutical and Phytopharmacological Research. 1(4): 187-193
32. Ekta Menghani, Shakera Khan and Mohit Soni. 2012. Search for antimicrobial potentials from *Simmondsia chinensis*. International Journal of Pharmaceutical Sciences and Research. 3(7):2093-2097(2012).
33. Ekta Menghani and Sita Kumari Sharma. 2012. Screening for folklore for antimicrobial activity. International Journal of Pharmacy. 2(3): 557-560
34. Ekta Menghani Sita Kumari Sharma. 2012. Antimicrobial efficacy of Piper cubeba and Tribulus terrestris. World Journal of Pharmacy and Pharmaceutical Sciences. 1(1) 273-279.
35. Ekta Menghani, S. C. Dwivedi, Ruhel Dubey, Richa Tyagi, Meeta Masand and Uma Advani. 2011. Medicinal Bioactives as Antimicrobial Agents: An Overview. International Journal of Pharmaceutical Research and Development. Vol 3(7) : 24-30.
36. Ekta Menghani, C. K. Ojha, R. S. Negi, Yukta Agarwal and Arvind Pareek. 2011. Screening of Indian Medicinal Plants and their potentials as Antimicrobial agents. Global Journal of Research Frontier Research. Vol 11(2):15-19.(2011a)
37. Sudhanshu, SM, N. Rao, M. Soni and E. Menghani. Phytochemical potentials of *Gymnema sylvestre*, *Adiantum lunulatum*, *Bryonia laciniosa*. Asian Journal of Biochemical and Pharmaceutical Research. 3(2) : 8-12(2012).
38. Ekta Menghani, Naveen Hemrajani and Shalini Rajawat. Quantification of Piperine in *P. chaba* by HPLC and its Bio-Potentials. 2010. Global Journal of Science Frontier Research. 10(7): 39-42.
39. Ekta Menghani, Arvind Pareek, R.S.Negi and C. K. Ojha. Search for Antimicrobial Potentials from Certain Indian Medicinal Plants. Research Journal of Medicinal Plants. 2011. 5(3): 295-301(2011b).
40. Menghani E, Pareek A., Negi R.S. and Ojha C.K., 2010. Anti-diabetic potentials of various Ethno-medicinal Plants of Rajasthan, Ethnobot. Leaflets 14:578-583(2010).
41. Menghani, E., S. C. Jain and R. Jain. 2010. Scientific validation of *Piper nigrum* by HPLC and Antioxidative assay markers. *Asian Journal of Biotechnology*. 2: 133-138.
42. Ekta Menghani, Arvind Pareek, Sumit Kumar and Naveen Hemrajani. 2009. Scientific Validation and Authentication of Genuine and Market samples of *Tinospora cordifolia*. *Phcog Journal* 1: 49-53.

43. Ekta Menghani, Sudhanshu, Nidhi Rao, Sandhya Mittal. 2012. Free Radical Scavenging capacity and antioxidant activity of *Onosma bracteatum*. International Journal of Pharmaceutical Research and Development. 4(04): 16-20.
44. Sudhanshu, Sandhya Mittal, Nidhi Rao, Mohit Soni and Ekta Menghani. 2012. Phytochemical potentials of *Gymnema Sylvestre*, *Adiantum Lunulatum*, *Bryonia laciniosa*. Asian Journal of Biochemical and Pharmaceutical Research. 3(2): 8-13
45. Sudhanshu, Nidhi Rao, Sandhya Mittal, and Ekta Menghani. 2012. Evaluation of Antioxidant properties of *Valeriana wallichii* to scavenge free radicals. Asian journal of pharmaceutical and Clinical research. 3(2): 238-240.
46. Sudhanshu, Nidhi Rao, Sandhya Mittal, Vishal and Ekta Menghani. 2012. Antioxidant agents alternative source for malaria disease. International Journal of Applied Pharmaceutics. 4(2): 14-16.
47. Sudhanshu, Nidhi Rao, Sandhya Mittal and Ekta Menghani. 2012. Evaluation of anti-malarial and antioxidant effect of *Pranassia nubicola* methanolic extract. International Journal of Current Pharmaceutical Research. 4(3): 77-79.
48. Sudhanshu, Nidhi Rao, Sandhya Mittal and Ekta Menghani. 2012. In vitro antioxidant activity and phytochemical screening of the methanolic extract of *Cichorium intybus*. International Journal Chemical and Pharmaceutical Sciences. 3(2): 13-16.
49. Sudhanshu, Nidhi Rao, Sandhya Mittal and Ekta Menghani. 2012. Phytochemical screening and antioxidant activity of *malva sylvestris*. International Journal of Current Research Reviews. 4(13):67-72.
50. Sudhanshu, S. Mittal, N. Rao, and E. Menghani. 2012. Antimicrobial activity of *Adiantum lunulatum* Burm used as medicinal agent. IJDT. 3(1): 21-27.
51. Sudhanshu, Nidhi Rao, Sandhya Mittal and Ekta Menghani. 2012. Antioxidant activity of *Rivea hypocratreiformis*, *Breynia retusa*, *Woodfordia fruticosa* used as Traditional Medicine. Int. J. Pharm. Phytopharmacol. Res. 2012, 1(6): 347-349.
52. Sudhanshu, Sandhya Mittal, Nidhi Rao and Ekta Menghani. 2012. Phytochemical and antimicrobial activity of *Withania coagulans* (stocks) dunal (fruit). International Journal of Pharmacy and Pharmaceutical Sciences. 4(4): 387-389.
53. Sudhanshu, Sandhya Mittal, Nidhi Rao and Ekta Menghani. 2012. Dashamularishta: Phytochemical and antimicrobial screening against effect of environmental pollution. International Journal of Pharmaceutical Sciences and Research. 3(9): 1000-1004.
54. Sudhanshu, Nidhi Rao, Sandhya Mittal and Ekta Menghani. 2012. Screening of antioxidant potentials of *Citrullus colocynthis* methanolic extract. Journal of Chemical and Pharmaceutical Research. 4(5): 2507-2511.

55. Sudhanshu, Sandhya Mittal, Nidhi Rao, and Ekta Menghani. 2012. Screening of various extracts of *Gymnema sylvestre* (Retz.) R. Br. Ex Schult. For antimicrobial activity. *Journal of Medicinal Plant Research*. 6(26): 4343-4346.
56. Sudhanshu, Sandhya Mittal, Nidhi Rao and Ekta Menghani. 2012. Antimicrobial efficacy of *Bryonopsis laciniosa* (Shivlingi stem and fruit). *Journal of Pharmacy Research*. 5(6) 3053-3055.
57. Sudhanshu, Mittal Sandhya, Rao Nidhi, Menghani Ekta. 2012. Phytochemical and Antimicrobial Efficacy of Successive series of *Solanum xanthocarpum*. *Research J. Pharmacognosy and Phytochemistry*. 4(4): 215-219.
58. Sudhanshu, Sandhya Mittal, Nidhi Rao, Ekta Menghani. 2012. Antimicrobial potentials of *Viola ordata*. *World Journal of Pharmaceutical Research*. 1(3) 635-641.
59. Negi, R. S. Pareek, A. Menghani, E. and Ojha, C. K. 2012. Ethnomedicinal studies of sanchor and mount abu regions located in sirohi district of Rajasthan. *Cibtech Journal of Pharmaceutical Sciences*. 1(1): 14-21.
60. Sandhya Mittal, Nidhi Rao, Sudhanshu and Ekta Menghani. 2012. Phytochemical potentials of successive series of *Tectona grandis* L., *Viola odorata* L. *International Journal of Pharmaceutical Research and Development (IJPRD)* 4(8): 99-102
61. Sudhanshu, Nidhi Rao, Sandhya Mittal, and Ekta Menghani. 2012 Influence of Environmental Factors on Antioxidants Activity of *Linum usitatissimum*. *Bulletin of Environment, Pharmacology and Life Sciences*. 1(7): 41-45
62. Sudhanshu, Rao Nidhi, Mittal Sandhya, Vishal and Menghani Ekta. 2012. Antioxidant agents alternative source for malaria disease. *International Journal of Applied Pharmaceutics*. 4(2): 14-16.
63. Jain, S. C., Jain R., Singh, R. and Menghani E. 2012. Chemical Investigation and Biological activities of *Verbesina encelioides*. *Indian Drugs*. 49(01): 38-42.
64. Uma Advani, Anwar Ansari, Ekta Menghani. 2011 Anticonvulsant potentials of *Sesamum indicum* and *Alliums sativum* oil alone and in combination in animal models. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol 3(4) :154-158. Impact factor = 0.598.
65. Rashmi Sisodia, Smita Singh, Chaturbhuj Mundotiva, Ekta Menghani and Preeti Srivastava. Radioprotective of Swiss albino mice by *Prunus avium* with special reference to hematopoietic system. *Journal of Environmental Pathology, Toxicology and Oncology*. 30: 55-60. Impact factor 1.06

66. Naveen Hemrajani, Dharm Singh, Arushi Rawal and Ekta Menghani. Generation of a New algorithm using Priority measurement based routes. Global Journal of Computer Science and Technology USA.
67. Shalini Rajawat , Vijay Singh Rathore, Naveen Hemrajani and Ekta Menghani. Analyzing complexity for NP Complete Problem through DNA Computing Algorithm. Global Journal of Computer Science and Technology. 2010. 10(13): 43-48.
68. Gopal Chaudhary, Arvind Pareek, Ekta Menghani and K.C.Sharma. 2009. Effect of Organic and Inorganic Fertilizers on the Eco-morphological Growth of two wheat varieties (*Raj-3077* and *Raj-3765*) of India. *Journal of Applied Sciences Research* (Accepted)
69. S. C. Jain, R. Jain, R. Singh and E. Menghani. 2008. *Verbesina encelioides*: Perspective and potentials of a noxious weed. *Indian Journal of Traditional Knowledge*.7: 511-513.
70. S.C. Jain, R. Jain, R. Singh and E. Menghani. 2007. Galegine- an antimicrobial principle from *Verbesina encelioides*. *Indian drugs* 44 (1) : 5-7.
71. S. C. Jain, E. Menghani and R. Jain. 2007. Search for Macro- and Micro-scopic markers from genuine fruits of *Piper* species and its adulterants. *Nigerian Journal of Natural Products and Medicines*. 11:15-22.
72. S. C. Jain, E. Menghani and R. Jain. 2007. Fluorescence and HPLC- Based Standardization of *Piper nigrum* Fruits. *International Journal of Botany*. 3 (2): 202-207
73. S.C.Jain, E. Menghani and R. Jain. 2007. Biomarkers as a tool for Validation of Herbs and Spices. *Internet Journal of Food Safety*. 9 : 1-6.

Proceeding Publication

1. Ekta Menghani, Tanuj Gupta, Charu Arora and Arvind Pareek. Phytochemical Screening and Antioxidant activities of some Indian Medicinal Plants used for Malaria Therapy in Rajasthan. In proceedings of National Conference on Secure Data communication and networks (SDCN -2011) organized by Department of Computer Science and Engineering, Suresh Gyan Vihar University, Jaipur on March 30-31, 2011. (SDCN -2011). Page No.148-151.
2. Ekta Menghani, Yukta Agarwal, Rupali Sharma, Naveen Hemrajani and Arvind Pareek. *Pimpinella anisum* and *Cassia fistula* as Antibiotic and Antioxidant Agents. In proceedings of National Conference on Secure Data communication and networks (SDCN -2011) organized by Department of Computer Science and Engineering, Suresh Gyan Vihar University, Jaipur on March 30-31, 2011. (SDCN -2011). Page No.152-156.
3. Arvind Pareek, Veena Kumari, Swati Agarwal and Ekta Menghani. Search for Antimicrobials as Botanicals from Eight Medicinal Plants against Multiple drug resistant bacteria In proceedings of National Conference on Secure Data communication and

networks (SDCN -2011) organized by Department of Computer Science and Engineering, Suresh Gyan Vihar University, Jaipur on March 30-31, 2011. (SDCN -2011). Page No.170-177.

4. Ekta Menghani, Niharika Gupta Rashmi and Arvind Pareek. Indian Medicinal Plants as Antioxidant Agents. In proceedings of National Conference on Secure Data communication and networks (SDCN -2011) organized by Department of Computer Science and Engineering, Suresh Gyan Vihar University, Jaipur on March 30-31, 2011. (SDCN -2011). Page No. Page No.105-108.
5. Menghani E., Hemrajani N., Ambulkar P.Y., Rao. S. and Pareek A., Antioxidant potential as biomarkers for standardization of Indian medicinal plants, In proceedings of National conference on technological innovation for sustainable development, 101-105 (Aug. 2009)
6. Ekta Menghani, Naveen Hemrajani and Ajeet Singh Poonia. 2006. "World Wide Web (WWW) /Mosaic: A World Wide Information System Applications in Chemistry: in *Proceedings of International Conference – Bot. Expo*, Department of Chemistry, UOR, Jaipur, INDIA, 218.
7. S. C. Diwedi, Ruhel Dubey, Richa Tyagi, Meeta Masand, Uma Advani and Ekta Menghani. Actinomycetes as a source of novel bioactives : a review In proceedings of National Conference on Secure Data communication and networks (SDCN -2011) organized by Department of Computer Science and Engineering, Suresh Gyan Vihar University, Jaipur on March 30-31, 2011. (SDCN -2011). Page No.9-13.
8. Pranit Ambulakar, Swati Rahangadale, K.S. Rao and E. Menghani. Computerized Monograph preparation of *Tridax procumbens*. In proceedings of National Conference on Secure Data communication and networks (SDCN -2011) organized by Department of Computer Science and Engineering, Suresh Gyan Vihar University, Jaipur on March 30-31, 2011. (SDCN -2011). Page No. 55-59.
9. Shalini Rajawat, Naveen Hemrajani and Ekta Menghani. Solving maximal clique problem through genetic algorithm. Paper in International Conference on Methods and Models in Science and Technology (ICM2ST-10) with joint venture of American Society of Physics. Pp 235-238
10. Naveen Hemrajani, Ekta Menghani and Shalini Rajawat. A novel admission control algorithm for quality of service in video transmission. Paper presented in National Conference on Revolutionary Advancements in Communication and Electronics (RACE -10) at Laxmi Devi Institute of Engineering and Technology, Alwar, on 12-13 November, 2010. In proceedings. Page 102-104.

11. Naveen Hemrajani, Ekta Menghani and Shalini Rajawat. Advanced Admission control algorithm for improvement in video transmission over IP networks. Paper presented in International Conference on Computer Engineering and Technology (ICCET -10) organized by Jodhpur Institute of Engineering and Technology, Jodhpur on 14 November, 2010.
12. Naveen Hemrajani, Dharam Singh, Shivani Mishra, Shalini Rajawat, Ekta Menghani. 2011. A new matrix based approach to measurement based admission control algorithm. Proc. of 25TH National Conference of Computer Engineers, IE(i) and National Seminar on Networked Home Systems and services. Pp 117-120
13. Shalini Rajawat, Naveen Hemrajani and Ekta Menghani. 2011. Natural Computing. Proc. of 25TH National Conference of Computer Engineers, IE(i) and National Seminar on Networked Home Systems and services. Pp 149-152.
14. Studies of *Verbesina encelioides*: Chemistry and bioactivity, In proceedings of National Symposium of Plant biotechnology: New Frontiers CIMAP, Lucknow 439-445
15. Search for medicinal Potentials of certain arid zone plants, In proceedings of National Symposium of Plant biotechnology: New Frontiers CIMAP, Lucknow 446-451

Project(s) submitted/ being pursued/ carried out by co- investigator

1. Rural Women Technology Park in Vidhani Village (Sanganer Block, Jaipur District, Rajasthan) sponsored by Department of Science and Technology, Government of India Rs. 70 lakhs. Co-PI (2015-2018).
2. “Search for the novel compounds from arid zone plants with ethno-medicinal background as therapeutic targets” WOS –A sponsored by Department of Science and Technology, Government of India, Rs. 27 lakhs PI (2012-2015)
3. Search for Novel antimicrobial and anticancerous bioactives as therapeutics leads from certain cyanobacterial strains”. by Department of Science and technology, Government of Rajasthan, Jaipur Rs. 2.7 lakhs. PI (2011-2013)
4. “Screening of various microorganisms capable of producing commercially valuable secondary metabolites” by Department of Science and technology, Government of Rajasthan, Jaipur Rs. 1.8 lakhs. PI (2011-2013)
5. “Scientific Validation and Authentication of Ethno – Medicinal Treasure of Rajasthan and *in situ* conservation of Endangered flora”, sanctioned as Centre of excellence by

Department of Science and technology, Government of Rajasthan, Jaipur. Rs. 10 lakhs
Co-Team Leader (2008-2011)

Student Project (As Guide Rs. 10,000/-)

1. TLC Fingerprinting profile of various Anthocyanins present in flower, fruits and vegetable and their Antioxidant potentials
2. Search for novel bioactives as lead therapeutics from microorganisms
3. Validation and Authentication of Piperales using TLC and HPLC Fingerprints
4. Search for secondary metabolites with therapeutic potentials from Arid Zone Plants
5. Search for Antidiabetic potentials from Arid Zone Plants
6. Standardization and validation of *Dyerophytum sps* using modern analytical techniques and isolation of proteins as therapeutic agents.
7. Isolation and Characterization of bioactives from arid zone plants and their therapeutic potentials
8. Screening of various cyanobacterial strains for therapeutic potentials viz antimicrobial and antidiabetic agents
9. Isolation, Characterization of bioactives from arid zone plants and their therapeutic potentials
10. Screening of arid zone plants for isolation of bioactives and their anticancerous potentials
11. Screening of various cyanobacterial strains as Antioxidant potentials