

Curriculum Vitae

Name : **Dr. K. L. Tiwari**



1. **Professor of Biotechnology,**
 2. **Coordinator, Research & Development**
 3. **COE**
 4. **REGISTRAR**
- Ayush & Health Science University
Chhattisgarh; G.E. Road , Raipur (C.G.)**

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Date of Birth : April, 13th 1948

Academic Qualifications

Name of Examination	University/ Board	Year of Passing	Subject	Marks %	Class	Remark
HSC Examination	M.P. Bhopal Board	1966	Biology group	68.7	First	
B.Sc.	R.D. Univ. Jabalpur	1969	Botany, Zoology, Chemistry	55.2	Second	
M.Sc.	R.D. Univ. Jabalpur	1971	Botany	60.5	First	
Ph. D.	R.D. Univ. Jabalpur	1977	'Studies on the leaf surface Mycoflora of some Solanaceous crop plants'			

Post Held Earlier : **DEAN, Faculty of Life Sciences,**

PROFESSOR AND HEAD

Department of Biotechnology

PROFESSOR AND HEAD

Department of Botany

PROFESSOR AND HEAD

Department of Zoology

PROFESSOR AND HEAD

Department of Anthropology

PROFESSOR AND HEAD

Department of Forensic Science

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)-495009
(A Central University)

PROFESSOR AND HEAD

School of Studies in Biotechnology
Pt. Ravishankar Shukla University,
Raipur (C.G.) 492010

CHAIRMAN

Biotechnology Board,
Pt. Ravishankar Shukla University,
Raipur (C.G.) 492010

CHAIRMAN

Central Board of Biotechnology,
Department of Higher Education,
Govt. of Chhattisgarh,
Raipur (C.G.) 492001

PROFESSOR AND HEAD

Deptt. of Botany and Microbiology,
Govt. P.G. Autonomous Science College,
Raipur (C.G.) 492010

CHAIRMAN

Board of Botany,
Pt. Ravishankar Shukla University,
Raipur (C.G.) 492010

CHAIRMAN

Central Board of Botany
Department of Higher Education,
Govt. of Chhattisgarh,
Raipur (C.G.) 492001

DIRECTOR

GD Rungta College of Science & Technology (R1)
Kohka Road, Kohka, Bilai. (C.G.)
KD Rungta College of Science & Technology
Nandanvan, Raipur (C.G.)

Selection

	:		
Lecturer	Botany	1974	"State Public Service Commission M.P."
Professor	Botany	1986	"State Public Service Commission M.P."
Reader	Biotechnology	2003	"Pt. Ravishankar Shukla University, Raipur (C.G.)"
Professor	Biotechnology	2008	"Pt. Ravishankar Shukla University, Raipur (C.G.)"
Professor	Biotechnology	2012	Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

Research

:	Research Papers	:	103
	Published	:	67
	Abstract	:	37

Joint Secretary

:

Indian Aerobiology Society, New Delhi

Ph.D. Supervisor

:

22

Awarded	:	18+03(03 Co-supervisor)
Registered	:	04 Supervisor
	:	04 Co-Supervisor

Chair person	:	12
		International Seminar : 03
		National Seminars : 09
Conferences Attended	:	30
		International : 06
		National : 24
Board of Advisors	:	Flora and Fauna An International Journal on Biological Sciences, Jhansi
Editorial Board	:	Research Journal of Biotechnology, Indore.
Fellowship	:	<ol style="list-style-type: none"> 1. Advance Plant and Science Muzaffar Nagar 2. Indian Aerobiological Society, New Delhi. 3. International Society of Biotechnology, Indore 4. Bio-nano Frontier, Mumbai 5. International Congress of Chemistry and Environment, Indore 6. Journal of Digester advances Indore
Coordinator	:	Vocational Committees, Govt. of Chhattisgarh
Coordinator	:	Refresher Course on Computer Science and Biotechnology , Organized by School of Studies in Biotechnology from 23 Dec. 2004 to 13 Jan. 2005.
Convener	:	+12 Lecturers orientation Programme. 1995, Raipur.
Life Membership	:	<ol style="list-style-type: none"> 1. Indian Science Congress Association, Kolkata 2. Indian Academy of Allergy, Bangalore 3. Indian Aerobiological Society New Delhi 4. Acupuncture Foundation of Sri Lanka 5. Acupuncture Foundation of India, Kolkata 6. Chhattisgarh Botanical Association Raipur 7. Ecological and Envi. Development Society, Bhilai 8. Advances in Plant Sciences, Muzaffarnagar 9. Flora and Fauna, Jhansi 10. Research Journal of Biotechnology, Indore 11. Journal of Basic and applied Mycology, Jabalpur 12. Journal of Digester advances Indore 13. Journal of Chemistry and Environment, Indore
Organizing Secretary	:	<ol style="list-style-type: none"> 1. National Seminar on “Biotechnology in Rural Development’ Govt. Science College, Raipur, 5-7 March 1991 2. 14th National Conference on “Aerobiology”, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) 15-17th January, 2007

- Key Person** : +2 level under M.H.R.D. Scheme improvement of Education School in Madhya Pradesh
- Regional Director** : M.P. Bhoj University, M.P.
Raipur Division, 1997 (up to May 1997)
- Counselor** : Life Science-IGNOU Study Centre, Raipur
- Book Publication** :
1. "Paryavaran Adhyayan "- 2003 (As Per UGC Norms).
Published by Ajay Prakasan, Darji Line, Malviya Road, Raipur (C.G.), Page: 1-191
 2. "Paryaveran Vigayan" – 2009
Published by I.K. International Pvt. Ltd., New Delhi,
Page – 1-547.
 3. **"Atmospheric Fungal Diversity of Chhattisgarh"**
2011 Lambert Academic Publishing, Germany.
ISBN – 978-3-8454-3764-4 Page – 1 – 296.
 4. **"Production of bioethanol from Mahua flower"**;
2011: Lambert Academic Publishing, Germany.
ISBN 978-3-8433-9150, Page – 1-80.
 5. "A Text Book in Bioprocess Engineering"
(Under Process) I.K. International Publication,
New Delhi.
- Expert Member** : Glossary Biotechnology Under
Commission for Scientific & Technical Terminology,
Ministry of HRD, R.K. Puram New Delhi
- Projects** : **Project Completed –**
1. Entitled **"Studies on aerosol and airborne allergens in relation to meteorological factors"** Total amount **Rs. 3,67,000.00** sanctioned by Chhattisgarh Council of Science and Technology, Raipur. (PI)
 2. Entitled **"Microbial diversity on industrial waste"**
Total amount **Rs. 2,00,000.00** sanctioned by Chhattisgarh Council of Science and Technology, Raipur.(PI)
 3. Entitled **"Micropropagation of Banana and sugarcane"** Total amount Rs. Sanctioned by Chhattisgarh Council of Science and Technology, Raipur. (Co-PI)
- Project (Ongoing)**
1. UGC Major Research Project on bioethanol: 2011-13
Entitled **"Screening of Microbes for bioethanol production from Mahua flower"** . (Co-PI).

(Dr. K.L. Tiwari)

LIST OF RESEARCH PUBLICATION

1. **Tiwari, K.L. and Godheja. A. (1985)** Air spora and phyllosphere of Brinjal at Raipur. *Bot. Res Chhattisgarh.* **1:** 149-157
2. **Sahu S.K. and Tiwari, K.L. (1985)** Studies on the leaf surface of *Abelmoschus esculentum* and *Phaseolus vulgare* L. *J. Soc. Pure and Appl. Nat. Sci.* **1:** 22-25.
3. **Sahu, S.K. K, Joshi and K.L. Tiwari, (1986)** Studies on the leaf surface mycoflora of *Cymopsis tetragonoloba* L. *Plant. J. Soc. Pure and Appl. Nat. Sci.* **2:** 9-13.
4. **Tiwari, K.L. and Agarwal, G.P. (1986)** Effect of host leaf exudates tissue sap on spore germination. *Biome* **1:**62.
5. **Sahu, S. K. and Tiwari, K.L. (1987)** Effect of temperature and relative humidity of leaf surface of Mustard. *Persp. Mycol. Res.* 213-218.
6. **Sahu, S.K. and Tiwari, K.L. (1988)** Studies on the leaf surface and air mycoflora of *Momordica charantia*. L. *Plant. Geobiose new reports* **7:** 135.
7. **Tiwari, K.L. and Sahu, S.K. (1989)** Aerophyllomycoflora of *Cicer arietinum* L. *Ad. Plant Sci.* **2:** 39-47.
8. **Tiwari, K.L. and Sahu, S.K. (1989)** Aerobiology of *Datura alba* L. *Ad. Biosphere* **18(2):** 20-27.
9. **Tiwari, K.L. and Sahu, S.K. (1991)** Studies on the leaf surface mycoflora of *Pisum sativum* L in relation to age and environmental factors. *Ad. Plant. Sci.* **4(1):** 141-149
10. **Sahu, S.K. and Tiwari, K.L. (1994)** Air spora and leaf surface mycoflora of Cauliflower (*Brassic oleracea* var. botytis) at Raipur. *Ad. Plant Sci.* **2:**203-211.
11. **Jadhav, S.K. and Tiwari, K.L. (1994)** Aeromycoflora of Rawan Village. *Indian Bot. Repr.* **13:** 33-36.
12. **Kaushilya Sahu, Jadhav. S.K. and Tiwari, K. L., (1994)** A culture plate studies of the aeromycoflora of a Groundnut field at Raipur. Oxford. ISH Publishing New Delhi. 293-397.
13. **Sahu, S.K. and Tiwari, K.L. (1994)** Survey of air borne fungi at Raipur. *Ind. Jour. Aerobiol.* **2 (1 &2):** 20-27.
14. **Tiwari, K.L., Pandey P. and Sahu. S.K. (1995)** Aeromycoflora over *Abelmoschus esculentum* Variety pusakranti. *Ind. Bot. Repr.* **14(1&2):** 10-12.
15. **Tiwari, K. L. and Jadhav. S.K. (1995)** Aeromycoflora of Balodabazar, Distt. Raipur, *Flora and Fauna.* **1 (2):** 117-118.
16. **Jadhav. S.K., Sahu, S.K. and Tiwari, K.L. (1995)** Aeromycoflora of Green house. *Ad. Plant Sci.* **8 (1) Suppl.:** 46-51.
17. **Tiwari, K.L. and Sahu S.K. (1995)** Aeromycological study of Raipur. *Ad. Plant. Sci.* **8 (2):** 391 - 396.

18. **Tiwari, K.L. and Sahu. S.K. (1996)** Studies on the leaf surface mycoflora of *Linum L.* *Ad. Plant. Sci.* **9(1)**; 49-52.
19. **Tiwari, K.L. and Sahu, S.K. (1997)** Studies of leaf surface mycoflora of *Phaseolus mungo* and *Phaseolus radiatus L.* *Ad. Plant. Sci* **10**.
20. **Tiwari, K.L., Jadhav, S.K. and Saluja, P. (2004)** Studies on aeromycoflora of different heights. *Research Link*, **13(II) (3) June-Aug-04** : 93-94.
21. **Tiwari, K.L., Jadhav, S.K. and Saluja, P. (2004)** Studies of aeromycoflora of Library, Botany department and Garden. *Research Link*, **13(II)**: 96-97.
22. **Tiwari, K.L. and Jadhav, S.K. (2004)** Aeromycological studies of Chemistry Lab of Govt. College, Balodabazar, Raipur (C.G.). *Ecol. Env. & Cons.* **10 (3)**: 383-385.
23. **Tiwari, K.L. and Jadhav, S.K. (2004)** Studies of aeromycoflora over rice field–I at Balodabazar, Raipur (C.G.). *Ecol. Env. & Cons.* **10 (3)**: 387-390.
24. **Tiwari, K.L. and Jadhav, S.K. and Kunjam, S.R. (2005)** Studies of aeromycoflora of Dairy area at Raipur. *Flora & Fauna.* **11(2)**:195-196.
25. **Tiwari, K.L. and S.K. Jadhav, and S.R. Kunjam, (2006)** Sewage fungi of Raipur City. *Bioinfolet* **3 (2)**: 142-143.
26. **Tiwari, K.L. and Jadhav, S.K. and N.B. Singh, (2006)** Allergenic plants of Raipur City. *Bioinfolet* **3 (2)**: 91-92.
27. **Tiwari, K.L., Jadhav, S.K. and Kunjam, S.R. (2006)** Aeromycoflora of slum area at Raipur. *Ad. Plant Sci.* **19 (II)**: 387-390.
28. **Tiwari, K.L., Jadhav, S.K. and Shukla, P. (2006)** Isolation, properties and growth kinetics of a bacterium isolated from bath soap. *Research J. of Biotechnology*, **1(2)**: 48-50.
29. **Lakpale, N., Tiwari, K. L. and Agrawal, K.C. (2006)** Nutritional behaviour of isolates of *Xanthomonas axonopodis* pv Citri. *Ad. Plant Sci.* **19 (II)**: 377-380.
30. **Lakpale, N., Tiwari, K. L. and Agrawal, K.C. (2006)** *In vitro* studies on isolates of *Xanthomonas axonopodis* pv citri. *Ad. Plant Sci.* **19 (II)**: 345-348.
31. **Tiwari, K.L., Jadhav, S.K. and Fatima, A. (2007)** Production of citric acid from *Aspergillus niger* using sugar beet as substrate. *Res. J. Biotech.* **2(1)**: 38-42.
32. **Tiwari, K. L., Jadhav, S.K. and Fatima, A. (2007)** Culture condition for the production of thermostable amylase by *Penicillium rugulosum*. *Global Journal of Biotechnology & Biochemistry.* **2(1)**: 21-24.
33. **Tiwari, K.L., Jadhav, S.K. and Shukla, P. (2008)** Effect of Nitrogen Sources on Production Capacity of Microbial Fuel Cell. *Research J. of Biotechnology.* **3(2)**: 55-56.
34. **Tiwari, K.L. and Sharma, K. (2008)** Studies of Leaf Surface Mycoflora of *Ocimum santum* Plant. *Plant Archives*, **8(2)**:667-669.

35. **Neelambra Verma, Koche, V., Tiwari, K.L., and Mishra, S.K. (2008)** Plant regeneration through organogenesis and shoot proliferation in *Trichodesma indicum* (Linn) R. Br.-a medicinal herb. *African Journal of Biotechnology*. **7(20)**:3629-3634.
36. **Tiwari, K.L. and Khare, D. (2008)** Seasonal variation in the atmospheric mycoflora over *Barleria prionitis* L. *Flora and Fauna*, Vol. **14 (1)**: 167-170
37. **Tiwari, K.L., Jadhav, S.K. and Kunjam, S. (2009)** Soil mycoflora of forest field at Jagdalpur region. *Deccan Current Science*. Vol. **(1)**: 19-22.
38. **Tiwari, K. L. and Saluja, P. K. (2009)** Seasonal Variation of Aeromycoflora of *Catharanthus roseus* L. *Bioinfolet* **6 (1)**: 82-85.
39. **Tiwari, K.L., Jadhav, S.K. and Shukla, P. (2009)** Isolation of DNA from Five Different Dicot Plants : A New Approach *Ad. Plant Sci.* **22 (II)**: 437-438.
40. **Tiwari, K.L., Verma, Neelambra, Koche, V. and Mishra, S.K. (2009)** RAPD analysis reveals genetic variation in different populations of *Trichodesma indicum* – A perennial medicinal herb. *African Journal of Biotechnology*. **8(18)**:4333-4338.
41. **Tiwari, K.L., and Sharma Kavita (2009)** Effects of exudates of *Ocimum sanctum* on fungal spore germination. *Plant Archives* **9(2)**: 835-836.
42. **Tiwari, K.L. and Sharma Kavita (2009)** Studies of Aeromycoflora of over *Ocimum sanctum* Plant. *Flora and Fauna* **15 (1)**: 21-24.
43. **Tiwari, K.L., Jadhav, S.K. and Harwani, Y. (2009)** Pollen calendar of Raipur, Chhattisgarh, India. *Flora and Fauna* **15(2)**: 183-191.
44. **Tiwari K.L., Jadhav S.K. and Mahish P.K. (2010)** Effect of Xenobiotics on some fungal species *Deccan Current Science (3) I* : 1-11.
45. **Tiwari K.L., Jadhav S.K., and Chandrawanshi, N.K. (2010)** Studies of the Minimum Inhibitory Concentration (MIC) of *Penicillium* species *Deccan Current Science (3) II* : 151-154.
46. **K. L. Tiwari, S.K. Jadhav and S. Tiwari (2010)** The Effects of Temperature Variation in the Bioethanol Production Process *Bioprocessing Journal* **09 (01)**:18-20.
47. **K. L. Tiwari, S.K. Jadhav and Sajal Deo (2010)** Exploring Fungal Diversity from the Water of Budhatalab (Pond) Ecosystem of Raipur City, Chhattisgarh, India *Flora and Fauna* **16 (02)**:171-181.
48. **Tiwari K.L., Jadhav S.K., and Tiwari S. (2010)** Antibacterial Studies of Cave Water *Deccan Current Science (4) I* : 237-240.
49. **Tiwari K.L., Jadhav S.K., and Ashish Kumar (2011)** Morphology and molecular study of different *Penicillium* species. *Middle –East Journal of Scientific research* **7 (2)**: 203-210.
50. **Tiwari K.L., Jadhav S.K., and Kumar Ashish (2011)** Random amplified polymorphic DNA (RAPD) molecular marker based genetic relationship study of medicinal plants collected from tribal region of Chhattisgarh, India. *Research journal of Biotechnology* **6(3)**: 63-66.
51. **Tiwari K.L., Jadhav S.K., and Veenu Joshi (2011)** An update review on medicinal herb genus *Spilentes*, *Journal of Chinese Intergrative Medicine*, **09(11)**: 1170-1178.

52. **Tiwari K.L., Jadhav S.K. and Lall B.M. (2011)** Biodiversity of Aeromycoflora of Garden, Collectorate Parisar, Raipur. *Int. J. Environmental Sciences* **1(1)**: 103-116.
53. **K.L. Tiwari, S.K. Jadhav, and S. Tiwari (2011)** Studies of Bioethanol Production from some carbohydrate sources by Gram Positive Bacteria. *Journal of Sustainable energy and Environment* **2**:141-144.
54. **K.L. Tiwari, S.K. Jadhav, and S. Gupta (2012)** Modified CTAB technique for isolation of DNA from some medicinal Plants. *Research journal of Medicinal plants* **6(1)**: 65-73.
55. **K. L. Tiwari and N. B. Singh (2010)** Seasonal variations in the leaf surface mycoflora of *Mentha arvensis* L. *Flora and Fauna*. **16 (1)**: 27-32.
56. **K. L. Tiwari and P.K. Saluja (2010)** Survey of leaf surface mycoflora of *Catharanthus roseus* in relation to environmental factors. *Flora and Fauna*. **16(2)**: 233-238.
57. **N. Verma, V. Koche, K. L. Tiwari and S. K. Mishra (2011)** HPLC analysis reveals presence of alkaloid in leaf and seed extracts of *Trichodesma indicum* (L.) R. Br. *Bionature*. **31(1)**: 45-51.
58. **K.L. Tiwari and D. Khare (2011)** Studies of leaf surface mycoflora of *Barleria prionitis* L. *Ad. Plant Sci*. **24(1)**: 97-100.
59. **K.L. Tiwari and D. Khare (2011)** Seasonal diversity of *Aspergillus*, *Alternaria* and *Curvularia*: A aeromycoflora study over *Barleria prionitis* Linn. *Flora and Fauna*. **17(2)**: 267-271.
60. **K. L. Tiwari and P.K. Saluja (2012)** Ecological studies of aeromycoflora over *Catharanthus roseus* Linn. *Indian J. Applied & Pure Bio*. **27(1)**: 59-64.
61. **Kumar Ashish, K.L. Tiwari, S.K. Jadhav, P.K.Patra (2012)** Estimation of Serum Adenosine Deaminase Enzyme : A new Tool for Diagnosis of Accute upper Respiratory treat infection (Uri) Global Journal of Biotechnology and Biochemistry **7 (2)**:61-63.
62. **S. Tiwari, S. K. Jadhav and K. L. Tiwari (2012)** Production of bioethanol from” Jatropha oil cake”. *Researcher*. **4 (7)**: 7-10.
63. **Arunima Karkun, K.L. Tiwari and S.K. Jadhav (2012)** Fungal Diversity of Mandeepkhol Cave in Chhattisgarh, India. *Advances in Bioresearch* **3 (2)** : 119 – 123.
64. **Thakur Veena, Tiwari K.L., Quraishi A. and Jadhav S.K. (2013)** Biohydrogen Production from Rice Mill Effluent. *Journal of Applied Science in Environmental Sanitation* ,**7 (4)** : 237 – 240.
65. **Anshika Pandey, Shubhra Tiwari, K.L. Tiwari and S.K. Jadhav (2013)** Bioconversion of Lignocellulosic Azolla into Bioethanol. *Journal of Applied Phytotechnology in Envionmental Sanitation* , **2 (2)** : 59 – 64.

66. **Neha Behar, K.L.Tiwari and Jadhav S.K. (2013)** *In Silico* Survey of Genes involved in Curcuminoid Synthesis for Expression Studies in *Curcuma caesia* Roxb. *International Journal of Computer Application*, Proceeding of National Conference of NIT, Raipur, 37 – 39.
67. **Tiwari K.L., Chandrakar A. and Jadhav S.K. (2012)** Studies of Bioethanol Production by some fermentative Bacteria. *International Journal of Biological and Health Science*, **01** : 8 – 11.
68. **Kunjam S.R., Jadhav S.K. and Tiwari K.L. (2013)** Traditional Herbal Medicines for the Treatment of Snake Bite and Scorpion Sting by the tribes of South Surguja, Chhattisgarh, India, *Med. Aromat. Plants*. **2 (1)** : 1 – 3.
69. **Neha Behar, K.L. Tiwari and S.K. Jadhav (2013)** Comparative Phytochemical Screening of Bioactive Compound in *Curcuma caesia* Roxb. And *Curcuma longa*. *Research Journal of Medicinal Plant*, **7 (2)** : 113 – 118.
70. **Tiwari Shubhra, Jadhav S.K. Tiwari K.L. and Esmil (2013)** Comparative Study of Bioethanol Production from Deoiled and Oiled Rice Bran. *Res. J. Biotech.* **8 (9)** : 10 – 12.
71. **Esmil Beliya, Shubhra Tiwari, Shailesh Kumar Jadhav and Kishan Lal Tiwari (2013)** Deoiled rice bran as a source of Bioethanol. *Energy Exploration & Exploitation* **31(5)** : 771 – 782.
72. **Tripti Agrawal, Afaque Quraishi, Kishan Lal Tiwari and Shailesh Kumar Jadhav (2013)** Ethanol Production from Mahua (*Madhuca indica* J.F.Gmel) Flowers by Soil Bacteria. *Researcher* (Marsland Press, New York, USA), **5 (12)** : 102 – 106.
73. **Shubhra Tiwari, S K Jadhav and Tiwari K L (2013)** Comparative Study of Bioethanol Production from different Carbohydrate Sources. *Researcher* **5 (12)** : 219 – 221.
74. **Nagendra K. Chandravanshi, K.L.Tiwari, S.K. Jadhav and Afaque Quraishi (2013)** Threats Facing by the Critical Medicinal Plants *Gloriosa superba* L. at Natural Habitat : Major Insect Pest and Human Interference. *Deccan Current Science*. 09 (02) : 221 – 228.
75. **Proamod Kumar Mahish, K.L.Tiwari and S.K. Jadhav (2013)** Tolerance of Lead by Some Fungal Species Isolated from Industrial Waste Water. *Deccan Current Science*. 09 (02) : 229 – 232.
76. **Neha Behar, K.L. Tiwari and S.K. Jadhav (2014)** Effect of Explant Type in Development of *in vitro* Micropropagation Protocol of an Endangered Medicinal Plants: *Curcuma caesia* Roxb. *Biotechnology* 1 – 6 (ISSN 1682 296X/DOI : 3923/biotech2014).
77. **Veena Thakur, S K Jadhav and K L Tiwari (2014)** Optimaization of Different Parameters for Biohydrogen Production by *Klebsiella oxytoca* ATCC 1318. *Trends in Applied Science Research* 1 – 9 (ISSN 1819-3579 / DOI : 103923/tasr.2014).
78. **Pramod K. Mahish, Kishan L. Tiwari and Shailesh K. Jadhav (2014)** Physiochemical and Microbial Studies of Paper Mill Effluent, Raipur (Chhattisgarh), India. *Banat's Journal of Biotechnology*, V (9) : 57 – 62.
79. **Tiwari, S., Jadhav, S. K., Sharma, M. and Tiwari, K.L. (2014)**. Fermentation of waste fruits for bioethanol production. *Asian Journal of Biological Sciences*, 7(1), 30-34. ISSN 1996-3351.

80. **Pandey, A., Tiwari, S., Jadhav, S. K. and Tiwari, K.L.** (2014). Efficient microorganism for bioethanol production from lignocellulosic *Azolla*. *Research Journal of Environmental Sciences*, 8(6), 350-355. eISSN 2152-8238.
81. **Thakur, V., Tiwari, K.L. and Jadhav, S.K.** (2015). Production of biohydrogen production from wastewater by *Klebsiella oxytoca* ATCC 13182. *Water Environment Research*, 87 (8), 683-686. ISSN 1554-7531.
82. **Thakur, V., Tiwari, K.L. and Jadhav, S.K.** (2015). Biohydrogen production from wastewater by immobilized culture of *Clostridium acetobutylicum* NCIM2877, *Report and opinion*, 7(3), 1-4. ISSN 2375-7205.
83. **Chandrawanshi, N., K., Jadhav, S., K., Tiwari, K., L. and Quraishi, A.** (2015). *In vitro* Tubercization and Colchicine Content Analysis of *Gloriosa superba* L. *Biotechnology*, 14(3), 142-147. ISSN 1682-296X.
84. **Joshi, V., Tiwari, K. L. and Jadhav, S. K.** (2015). In vitro propagation of *Spilanthes acmella* (L.) Murray using semisolid and liquid medium. *Indian Journal of Biotechnology*, 14, 112 – 116. ISSN 0975-0967.
85. **Thakur, S., Tiwari, K. L. and Jadhav, S. K.** (2015). Antimicrobial Screening of Root Extract of *Asparagus recemosus* Willd. *Current Trends in Biotechnology and Pharmacy*. 9 (2), 147 – 150. ISSN 2230-7303.
86. **Tiwari, S., Jadhav, S.K., & Tiwari, K.L.** (2015). Bioethanol production from rice bran with optimization of parameters by *Bacillus cereus* strain McR -3. *Int. J. Environ. Sci. Technol.* ISSN: 1735-1472.
87. **Mahish, P.K., Tiwari, K. L. and Jadhav, S.K.** (2015). Biodiversity of Fungi from Lead Contaminated Industrial Waste Water and Tolerance of Lead Metal Ion by Dominant Fungi. *Research Journal of Environmental Sciences*, 1-6. eISSN 2152-8238

LIST OF RESEARCH ABSTRACTS

1. **Tiwari, K.L. and Jadhav S.K. (1995)** Home science and Aerobiology-A recent trend for research. National Seminar on trends of research in Home Science-Raipur, 18-19 Dec. 1995.
2. **Tiwari, K.L., Jadhav S.K., Sahu, K. and Verma S. (1996)** Aerobiological studies of *Alternaria* species potato crop field at Raipur. Abst. 8th Aerobiological Conf.Pune-7-9 March 1996.
3. **Tiwari, K.L., Jadhav, S.K., Sahu, K. and Agrawal, V. (1996)** Aerobiological Studies over potato field at Bhilai, Abst. 8th Aerobiological Conf. Pune 7-9, March 1996.
4. **Tiwari, K.L. and Jadhav S.K. (1997)** Studies of Aeromycoflora over rice field at Balodabazar, Abstr. 10th Nat. Cont. Aerobio. Appl. Vishakhapattanam.
5. **Tiwari, K.L. and Jadhav S.K. (1998)** Studies of Aeromycoflora over rice field-II at Balodabazar, Raipur (M.P.) Abst. National Seminar Environmental awareness and natural conservation. Aurangabad. 25-27 Dec. 1998.
6. **Tiwari, K.L., Jadhav, S.K. and Vandana (2001)** Pollen flora of some Dicot plants. Raipur City I.ICAACON Trivandrum.
7. **Tiwari K.K., Jadhav, S.K. and Sharma, K. (2001)** Aeromycoflora of Cloth Market Raipur City I. Paper presented in ICAACON Trivandrum.
8. **Tiwari, K.L., Jadhav, S.K., Singh, N.B., Vandana and Khare D. (2003)** Studies of Aeromycoflora of *Casia tora* L. Plants 12th Nat. Conf. On 9-10, Nov. 2003 Shantiniketan W.B.
9. **Tiwari, K.L. and S.K. Jadhav (2004)** Poisonous plants of Raipur City., National Seminar on Emerging pollutants: Impact on Health, Agricultural & Environment. 29-31 Jan. 2004 Dr. B.A. Marathwada University, Aurangabad (M.S.)
10. **Tiwari, K.L., S.K. Jadhav, and Veena (2005)** *Curvularia lunata* and some medicinal plants. International Conference on "Plant Genomics and Biotechnology: Challenges & Opportunities, October 26-28, 2005. Indira Gandhi Agricultural University, Raipur.
11. **Tiwari, K.L., S.K. Jadhav, M. Agrawal, M and Y. Harwani (2005)** Aeromycological studies of Cold Storage. National symposium on Biodiversity: Current Status and Prospects. October 17-18, 2005, School of Life Sciences, Pt. Ravishankar Shukla University, Raipur (C.G.).
12. **Tiwari, K.L., S.K. Jadhav and M.P. Thakur (2005)** Bio-Diversity of Wild Fleshy Fungi at Bastar Region. National Workshop on awareness Creation on biodiversity and conservation of Mushrooms. December 1-2, 2005. Indira Gandhi agricultural University, Raipur (C.G.)
13. **Tiwari, K.L., S.K. Jadhav and Shukla, P. (2006)** Extraction of DNA from animal tissue using KOH and ethanol. National Seminar on Emerging horizons of Biotechnology. November 10th - 12th, 2006. Department of Biotechnology, Guru Ghasidas University, Bilaspur (C.G.).
14. **Tiwari, K.L., S.K. Jadhav and Pankaj Temunkar (2006)** Biodiversity of Cyanobacteria in Ponds of Raipur City. National Seminar on Emerging horizons of Biotechnology. November 10th -12th, 2006. Department of Biotechnology, Guru Ghasidas University, Bilaspur (C.G.).

15. **Tiwari, K.L. and Khare, Diksha (2007)** Studies of aeromycoflora over *Barleria prionitis* Linn. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
16. **Singh, N. B. and Tiwari, K. L. (2007)** Aeromycological survey over *Mentha arvensis* L. Plants in relation to meteorological factors. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
17. **Tiwari, K.L., Jadhav, S. K. and Harwani, Y. (2007)** Pollen Calendar of Raipur. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
18. **Tiwari, K.L., Jadhav, S.K., Tiwari, P. and Patle, K. (2007)** Aeromycoflora of moti bag and Nehru Park at Raipur. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
19. **Tiwari, K.L., Jadhav, S.K. and Fatima, A. (2007)** Aeromycological survey of meat market. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
20. **Tiwari, K.L. and Tiwari, P. (2007)** Aeromycoflora of industrial area: urla, Raipur. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
21. **Tiwari, K.L., Jadhav, S. K. and Agarwal, M. (2007)** Aeromycoflora of cold storage of Raipur (C.G.) Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
22. **Tiwari, K.L., Jadhav, S.K. and Shukla, P. (2007)** Seasonal variation of bacteria in air of terrace of SOS in Biotechnology, Pt. Ravishankar Shukla University, Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
23. **Tiwari, K.L., Jadhav, S.K. and Temunkar, P.K. (2007)** Aerobacteria and biodiversity. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
24. **Tiwari, K. L., Jadhav, S.K., and Dewangan, A. (2007)** Soil mycoflora of Sarguja region. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
25. **Tiwari, K.L., Jadhav, S.K., Kunjam, S. and Shukla, S (2007)** Soil flora: source of air flora. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
26. **Tiwari, K.L., Jadhav, S.K. and Deo, Sajal (2007)** Aeromycoflora of Kharun river area of Raipur (C.G.) Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)
27. **Tiwari, K.L., Jadhav, S.K. and Lall, B.M. (2007)** Aeromycoflora of Pt. Ravishankar Shukla Udyan, Collectrate parisar, Raipur. Abst. 14th Nat. Conf. Aerobiology, 15th -17th January, 2007 School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur (C.G.)

28. **Tiwari, K.L., Jadhav, S.K. and Verma, S. (2008)** Biodegradation of phenol by fungi with relation to effluent treatment. Abst. 1st International Society Biotechnology Conference, 28th – 30th December, 2008 Sikkim Manipal University, Gangtok, Sikkim, India.
29. **Tiwari, K.L., Jadhav, S.K. and Prabhas, L. (2008)** Jatropha tissue culture: Shoot and callus culture. Abst. 1st International Society Biotechnology Conference, 28th – 30th December, 2008, Sikkim Manipal University, Gangtok, Sikkim, India.
30. **Tiwari, K.L., Jadhav, S.K. and Prabhas, L. (2009)** Jatropha tissue culture: Effect of hormone and media concentration. Abst. National Seminar on Human Genomics and Cultural Diversity, 2nd – 4th March, 2009, SOS in Anthropology, Pt. Ravishankar Shukla University, Raipur (C.G.).
31. **Tiwari, K.L. and Saluja, P.K. (2009)** Ecological studies of aeromycoflora over *Catharanthus roseus* Linn. Abst. 15th National Conference on Aerobiology and National symposium on “airspora Impact on Plant, Animal and Human Health. 6th – 8th March, Manipur University, Imphal.
32. **Tiwari, K.L. and Khare, Diksha (2009)** Biodiversity of the some dominant aerofungi over *Barleria prionitis* L. Abst. 15th National Conference on Aerobiology and National symposium on “airspora Impact on Plant, Animal and Human Health. 6th – 8th March, Manipur University, Imphal.
33. **Tiwari, K.L. and Jadhav, S.K., Patle, K. and Harwani, Y. (2009)** Biodiversity of the aerofungi of Library –I. Abst. 15th National Conference on Aerobiology and National symposium on “airspora Impact on Plant, Animal and Human Health. 6th – 8th March, Manipur University, Imphal.
34. **Tiwari, K.L., Jadhav, S.K., and Deo, S. (2009)** Isolation of fungi from the surface water of Budhatalab (Pond) of Raipur city. Abst. 15th National Conference on Aerobiology and National symposium on “airspora Impact on Plant, Animal and Human Health. 6th – 8th March, Manipur University, Imphal.
35. **Tiwari, K. L., Jadhav, S. K. and Ashish Kumar (2009)** Random Amplified Polymorphic DNA (RAPD) Molecular Marker Based Genetic Relationship Study of Medicinal Plants of Tribal Region of Chhattisgarh, India Abst. 5th World Congress of Cellular and Molecular Biology from 2nd to 6th November, 2009 at Devi Ahilya University Indore, M.P. India.
36. **Tiwari, K. L., Jadhav, S. K. and Chakraborty, M. (2009)** Studies of Fungal Diversity on The Base of Physiology In Relation to Protein Estimation of Some Common Dominant Fungi. Abst. 5th World Congress of Cellular and Molecular Biology from 2nd to 6th November, 2009 at Devi Ahilya University Indore, M.P. India.
37. **Tiwari, K. L., Jadhav, S.K. and Mishra, J. (2009)** Falconoid Production of *Momordica charantia* Using Thin Layer Chromatography through Plant Tissue Culture . Abst. 5th World Congress of Cellular and Molecular Biology from 2nd to 6th November, 2009 at Devi Ahilya University Indore, M.P. India.
38. **Tiwari, K.L., Jadhav, S.K. and Mishra, (2009)** J. Micropropagation of *momordica charintia* Abst. International congress of Chemistry nd Environment (ICCE – 2009) from 21 st Jan, 2010 to 23rd Jan., 2010 at Thailand.
39. **Tiwari, K. L., Jadhav, S. K. and Agrawal, S. (2009)** Biodiversity of *Aspergillus* species on the basis of cultural characteristics Abst. International congress of Chemistry nd Environment (ICCE – 2009) from 21 st Jan, 2010 to 23rd Jan., 2010 at Thailand.

40. **Tiwari, K. L., Jadhav, S. K. and Tiwari, S. (2009)** Antibacterial Studies of Cave Water Abst. International congress of Chemistry and Environment (ICCE – 2009) from 21 st Jan, 2010 to 23rd Jan., 2010 at Thailand.
41. **Shubha Thakur, K.L. Tiwari and S.K. Jadhav (2013)** “A Simple, Efficient and Rapid Method for Isolation of DNA from *Asparagus recemosus* wild – A High Value Medicinal Plant.” Proceeding of National Conference on “New Vistas in Plant Science and Biotechnology” Aug., 2013. 134 – 136.

Ph. D. AWARDED

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|-------------------|------|--|
| 1. S.K. SAHU | 1995 | Studies of Aeromycoflora associated with <i>Spinach</i> . Pt. Ravishankar Shukla University, Raipur |
| 2. S.K. JADHAV | 1996 | Studies of Aeromycoflora over Rice field Balodabazar, Raipur. Pt. Ravishankar Shukla University, Raipur |
| 3. N. LAKPALE | 1997 | Host-pathogen interaction studies between citrus plants and <i>Xanthomonas compestris</i> pv citri (Dowson) Dye. Pt. Ravishankar Shukla University, Raipur |
| 4. K. SAHU | 1998 | Aeromycological studies over wheat crop plants at Raipur (M.P.). Pt. Ravishankar Shukla University, Raipur |
| 5. P. TIWARI | 2000 | Aerobiological Studies of Raipur with special reference to fungal spores. Pt. Ravishankar Shukla University, Raipur |
| 6. K. SHARMA | 2001 | Studies of Aeromycoflora in relation to leaf surface mycoflora of <i>Oscimum sanctum</i> . Pt. Ravishankar Shukla University, Raipur |
| 7. P.K. SALUJA | 2006 | Studies of leaf surface and aeromycoflora of <i>Catharanthus roseus</i> L., Pt. Ravishankar Shukla University, Raipur (C. G.) |
| 8. VANDANA | 2006 | Studies of aeromycoflora of polluted and nonpolluted area of Bhilai. Pt. Ravishankar Shukla University, Raipur (C. G.) |
| 9. D. KHARE | 2006 | Studies of aeromycoflora and leaf surface mycoflora of <i>Barleria prionitis</i> Linn. Pt. Ravishankar Shukla University, Raipur (C.G.) |
| 10. N.B. SINGH | 2007 | Studies of aeromycoflora in relation to leaf surface mycoflora of <i>Mentha arvensis</i> Linn. Pt. Ravishankar Shukla University, Raipur (C.G.) |
| 11. SHARMA, R. | 2007 | Studies of leaf surface and aeromycoflora of <i>Curcuma Longa</i> L. Pt. Ravishankar Shukla University, Raipur (C.G.) |
| 12. AYESHA FATIMA | 2009 | Production and optimization of industrially important enzyme from some <i>Aspergillus</i> species. Pt. Ravishankar Shukla University, Raipur (C.G.) |

13. SAJAL SAJU DEO	2009	Diversity and Biotechnological study of fungi in environment of pond. Pt. Ravishankar Shukla University, Raipur (C.G.)
14. PRASHANT SHUKLA	2009	Characterization and biotechnological aspect of a bacterium isolated from sulphur juice. Pt. Ravishankar Shukla University, Raipur (C.G.)
15. YASHODA HARWANI	2011	Eco-management of aeromycoflora of Dairy area, Raipur. Pt. Ravishankar Shukla University, Raipur (C.G.)
16. MEGHA AGRAWAL	2011	Eco-management of aeromycoflora of Museum area, Raipur. Pt. Ravishankar Shukla University, Raipur (C.G.)
17. ASHISH KUMAR	2011	“Gene Pyramiding” For Development of Leaf Curl Virus (Tolcv) Resistant Tomato (<i>Solanum lycopersicum</i> .) Pt. Ravishankar Shukla University, Raipur (C.G.)
18. Amiy Dutt Chaturvedi	2012	Effect of Detergents on Microorganism with special reference to fungi. Pt. Ravishankar Shukla University, Raipur (C.G.)
19. Arumina Karkun	2013	Study of Diversification degradative potency and genetic makeup of some microbes thriving in Mandeepkhol caves of Gandai Distt. Durg (C.G.) India, Pt. Ravishankar Shukla University, Raipur (C.G.)
20. Mrs. Shubhra Tiwari	2013	Bioethanol Production from Rice Bran (Waste rice material)
21. Dr. Punit Gupta	2014	Biochemical and molecular characterization of microorganisms at the tip of catheter of all the interventional procedure done in chronic kidney disease patients with special reference to Bacteria.
22. Mr. Pramod Kumar Mahish	2014	Biosorption of Lead by some Fungal Species
23. Mr. Nagendra Chandrawanshi	2014	Micropropagation of Endangered Medicinal Plant Glory Lily (<i>Gloriosa superba</i> L.)
24. Mrs. Neha Behar	2014	<i>In vitro</i> & <i>In silico</i> approaches for study secondary metabolite content in <i>Curcuma cassia</i> Roxb.
25. Mrs. Veenu Joshi	2015	Molecular characterization, micropropagation and conservation studies

of *Spilanthes acmella* (L.) Murry from Chhattisgarh region.

- 26. Ms. Shubha Thakur** **2016** Molecular characterization micropropagation and conservation of *Asparagus recemosus* Willd., a vulnerable medicinal plant.

Ph.D. REGISTERED

- 1. Mrs. Veena Thakur** Bacterial Production of biohydrogen from rice mill effluents.
- 2. Mr. Tikendra Verma** Screening of Fungal Species for Biosorption of Iron in Industrial Effluents
- 3. Ms. Esmil Beliya (Co-Guide)** Bioethanol production from Deoilded rice bran by *Zymomonas mobilis* MTTC92 and *Pichia stipitis* NCIM3497
- 4. Ms. Samiksha Sharma** An ecofriendly technique for removal of lead by endophytic fungi from industrial area of Raipur, Chhattisgarh.
- 5. Ms. Ankita Choudhary (Co-Guide)** Isolation and screening of bacteria and optimization of different parameters for bioethanol production from *Shorea robusta* (Sal) seeds of Chhattisgarh.
- 6. Mr. Jaishankar Paul** Isolation, Screening and Identification of highly efficient α -amylase producing bacteria from vegetable waste of Raipur vegetable market and determine the optimum condition for higher amylase production.
- 7. Ms. Inderpal Kaur (Co-Guide)** Selection of Hyperaccumulator Indigenous Tree Species For Dendroremediation of Lead in Chhattisgarh.
- 8. Ms. Mona Tandon** Isolation and characterization of bacterial strain from waste of rice bran industry for biohydrogen production with optimization of efficient parameters.