

# Prof. Amia Ekka

Ph.D

A-1, TEACHERS COLONY,  
PT. RAVISHANKAR SHUKLA  
UNIVERSITY CAMPUS, RAIPUR  
CHHATTISGARH , INDIA  
PIN - 492010



**Telephone:** 09406200204

**Email:** [amiaekka74@gmail.com](mailto:amiaekka74@gmail.com)

## ACHIEVEMENTS

1. **Award** : FES (Fellow of Ethnobotanist) year 2010.
2. **Medal**: D.C.Pal Medal (Year- 2014) from Society of Ethnobotanists.

## PROFESSIONAL EXPERIENCE

PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR, CHHATTISGARH , INDIA

- (i) Date of appointment (Post on - Lecturer) - 20<sup>th</sup> September 2003
- (ii) Date of Confirmation (Post on - Lecturer) – 20<sup>th</sup> September 2005
- (iii) Date of Senior Scale (Stage 2) - 20<sup>th</sup> September 2007
- (iv) Date of Stage – 3 - 20<sup>th</sup> September 2012
- (v) Date of Stage - 4 - 20<sup>th</sup> September 2015
- (vi) Date of Professor - 20<sup>th</sup> September 2018

## AREA OF SPECIALIZATION

Ethnobotany, Traditional Knowledge, Plant Pathology, Microbiology

**NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME 01.12.2023 TO**

**09.12.2023 MM-TTP, Pt.R.S.U. RAIPUR**

## **PUBLICATIONS**

### **[A] PAPER PUBLICATION**

1. **Amia** Tirkey ,S.S,Khan,F.Khan (2000) - Medicinal Plants used in the treatment of hair in Raigarhdistt. of M.P. (India) *Vistas in Ethnobotany* , Decent Publication, Bhopal 1:104-110
2. **Amia** Tirkey ,S.S,Khan,F.Khan (2000) - Medicinal plants used by tribals of Raigarhdistt. (M.P.) for jaundice. *Vistas in Ethnobotany* , Decent Publication, Bhopal I: 163-171
3. **Amia** Tirkey ,S.S,Khan,F.Khan (2002) - Plants of Asteraceae: an ethnomedicinal study of Raigarhdistt. (Chhattisgarh) *Indian J. Applied and pure biology*. 17 (2): 166-169
4. **Amia** Tirkey (2004) - Some ethnomedicinal plants of Chhattisgarh state. *Ethnobotany* 16:118-124
5. **Amia** Tirkey; Fatima Khan; Khan, S. S.; Saify, T.(2004) - Medicinal plants used in treatment of indigestion in Raigarh of M.P. *National Conference On Sustainable Utilization of Biological Resources 16-18 March 2001*, Proceedings of national conference, Scientific Publishers (India), Jodhpur, 2004, pp- 98-104.
6. **Amia** Tirkey ,S.S,Khan,F.Khan (2005) - Ethnomedicinally important plants used in the treatment of skin affliction by the tribals of Chhattisgarh State . In *Ethnomedicine and Human Welfare* Vol.III (.I.A.Khan&A. Khanumed.) Page 68-90,UkaazPublications,Hydrabad (A.P.)India
7. **Amia** Tirkey(2005)-Medicinal plants used in the treatment of various ailments. In *Herbal medicine for Human Disease*, Vol.II:(.I.A.Khan&A.Khanum ed.)Page-269-279 UkaazPublications,Hydrabad(A.P.)India.
8. **Amia** Tirkey(2005) - Herbal remedies for Diabetes. In *Modern and alternative medicine for Diabetes*. (.I.A.Khan&A. Khanumed.) Page: 229-288,UkaazPublications,Hydrabad (A.P.)India
9. **Amia** Tirkey (2005) - Wild edible plants of India. In *Ethnomedicine and Human welfare* Vol. IV (.I.A.Khan&A. Khanumed),Page - 274-284, UkaazPublications,Hydrabad (A.P.)India
10. **Amia** Tirkey andS.K.Jain (2006) - The Tradition of Clan names and conservation among the Oraons of Central India. *Indian Journal ofTraditional Knowledge*. Vol. 5(2),224-226
11. **Amia** Tirkey (2006) -Some ethnomedicinal plants of family – Fabaceae of Chhattisgarh State. *Indian Journal of Traditional Knowledge* Vol. 5(4),551-553
12. **Amia** Tirkey (2006) - Fish Stupefying plants used by Tribals of JashpurDistrict,C.G.*Journal of Economic & Taxonomic Botany* Vol. 30 No. Suppl., 163-166.
13. **Amia** Tirkey ,Vivek Kumar,R.L.S.Sikarwar & S.K.Jain (2006) - Ethnobotanical research in Chhattisgarh – A conspectus. *Ethnobotany* Vol. 18,67-76

- 14. Amia Tirkey (2007)** - Notable Ethnomedicinally Important plant species of Chhattisgarh. In *Ethnomedicinal plants of India*, (P.C.Trivedied.) Page -188-233. Aavishkar Publisher, Distributors, Jaipur (Rajasthan)
- 15. Amia Tirkey (2008)** - Ethnobotany in Chhattisgarh (India) : A Graphic review and future Directions. In *Herbal Cures: Traditional Approaches* (D.A.Patiled.) Page - 340-347, Aavishkar Publisher, Distributors, Jaipur (Rajasthan)
- 16. Amia Tirkey (2009)** - Some rare and less known ethnomedicinal plants used by tribal community from Chhattisgarh. in *Indigenous ethnomedicinal plants*, . (P.C.Trivedied.) Page 185-189, Pointer Publishers, Vyas Building, S.M.S. Highway, Jaipur. (Rajasthan).
- 17. Amia Ekka (2011)** - A Historical overview of ethnobotanical literature of Chhattisgarh [India] : A graphic review and future directions. *Research J. Science and Tech.* 3(4):220-224
- 18. Amia Ekka (2011)** - Medicinal plants used by local inhabitants in Jashpur District, Chhattisgarh, India. Proceedings of *Climate change and its effect on biodiversity*. Page no.- 32-36
- 19. Amia Ekka (2011)** - Folklore claims of some medicinal plants used by tribal community of Chhattisgarh, India. *Research Journal of Biology* (UK)01(01):16-20 (Impact Factor – 0.619)
- 20. Amia Ekka (2012)** – Some rare and less known plants used by Gond and Korwa tribes in their healthcare from Chhattisgarh. *Biodiversity: Issues, Impacts, Remediation and Significances* Ed. V.I.Paul VL Media Solutions, New Delhi Page: 381-387
- 21. Amia Ekka (2012)** - Some traditional medicine for anti-fertility used by the tribals in Chhattisgarh, India. *International Journal of Biology, Pharmacy and allied sciences* (UK) 1(2):108-112 (SJIF – 3.879)
- 22. Amia Ekka (2012)** - Some interesting alcoholic beverages among the tribal communities in Chhattisgarh, India. *International Journal of Pharmaceutical Research and Bio-science* 1(4):353-359 (SJIF – 4.278)
- 23. Amia Ekka (2013)** – Some rare plants used by Hill-Korwa in their healthcare from Chhattisgarh. *International Journal of Life Sciences, Biotechnology and Pharma Research* 2(1):198-203 ISSN 2250-3137 (Impact Factor )
- 24. Jasmeet Kaur Sohal, Amia Ekka (2013)** – Biochemistry and Medicinal values of *Aloe barbadensis* Miller Vera: A Review. *International Journal of Medicinal plants*. Photon 105, 128-134 (Impact Index 3.12)
- 25. Amia Ekka, Neelam Sanjeev Ekka (2013)** - Traditional plants used for snakebite by Oraon tribe of Jashpur district, Chhattisgarh. *International Journal of Advanced Research in Management and Social Sciences* (ISSN: 2278-6236) Volume 2, Issue 6, June 2013 Page 1-9 (SJIF – 4.400)

26. **Amia Ekka**, NeelamSanjeev Ekka (2013) - Traditional Health Care in Birhor Tribes of Chhattisgarh Online *International Interdisciplinary Research Journal* (Bi-Monthly),(ISSN: 2249-9598), Volume - III, Issue VI, Nov-Dec 2013 Page 476-483. (Impact Factor - 2.089)
27. **Amia Ekka**, NeelamSanjeev Ekka (2014) – *Madhuca longifolia* var. *latifolia*: An Important Medicinal Plant used by tribes of North – East part of Chhattisgarh. *Online International Interdisciplinary Research Journal*, {Bi-Monthly}, ISSN 2249-9598, Vol-IV, Jan 2014 Special Issue Page 227-231 (Impact Factor - 2.089)
28. **Amia Ekka** (2014) - Traditional health care in Baiga Tribes of Chhattisgarh. Souvenir of International Conference-2014 “Ayurveda for All” At Dehradun by Ayush Darpan Health Magazine, Dehradun. Page no.- 92-99. ISSN- 0976-3368
29. **Amia Ekka**, NeelamSanjeev Ekka (2015) – Some Indigenous Phytotherapy Among the Tribes of Chhattisgarh. *Recent advances in Ethnobotany*. Edi. Sanjeev Kumar, Deep Publications, New Delhi. Page no. 90-92 ISBN: 978-93-80702-09-4
30. **Amia Ekka**, Anju Verma & Monika Verma (2015) - Impact of Phosphate solubilizing fungi of different habitats on plant growth: A review. *Research J. Science and Tech.* 7(3): 141-145 ISSN: 0975-4393 (Print) 2349-2988 (Online)
31. **Amia Ekka** & Renu Kujur (2015) – Spider diversity of Ram Jharna, Raigarh, Chhattisgarh, India. *Research J. Pharm. and Tech.* 8(7): 813-819 ISSN: 0974- 3618 (Print) 0974-360X (Online)
32. **Amia Ekka**, Monika Verma & Anju Verma (2015) – Bacterial degradation of pulp paper mill waste water isolated from contaminated site: A review. *Research Journal of Pharmacognosy and Phytochemistry.* 7(3): 175-181 ISSN: 975- 2331 (Print) 975-4385 (Online)
33. **Amia Ekka** (2015) – Plants used in ethno-veterinary medicine by Oraon tribals of north - east Chhattisgarh, India. *World journal of Pharmaceutical research* 4(9):1038-1044, ISSN: 2277-7105, Impact factor 5.045
34. Anju Verma & **Amia Ekka** (2015) – Isolation, Screening and Assessment of Phosphate Solubilizing Efficiency of Some Fungal Isolates of Raipur, Chhattisgarh. *Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)* Volume 1, PP 29-36 (Special issue) e-ISSN: 2319-2402, p-ISSN: 2319-2399.
35. **Renu Kujur & Amia Ekka** (2015) – Inventorization of Spider fauna of Indra Vihar Park, Raigarh, Chhattisgarh, India. *Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)* Volume 2, PP 30-36 (Special issue) e-ISSN: 2319-2402, p-ISSN: 2319-2399.
36. Monika Verma & **Amia Ekka** (2015) - Kraft lignin degradation through bacterial strain isolated from soils of timber areas. *Journal of Environmental Science, Toxicology and Food*

*Technology (IOSR-JESTFT)* Volume 3, PP 05-09 (Special issue) e-ISSN: 2319-2402, p-ISSN: 2319-2399.

37. Anju Verma & **Amia Ekka (2015)** – Assessment of phosphate solubilizing potential of fungal isolates from soils of three blocks of Raipur, Chhattisgarh *Journal of Ravishankar Shukla University* 28 (2) : 44-50 ISSN: 0970- 5910

38. **Amia Ekka (2016)** – Traditional medicament used by Kamar tribes of Chhattisgarh, India. *Imperial Journal of Interdisciplinary Research*. 2(2): 508-515, ISSN : 2454-1362 (Online)

39. **Amia Ekka (2016)** – Fish poisonous plants used by Oraon Tribes of North-East Chhattisgarh, India. *Research Journal of Recent Sciences*, Vol. 5(ISC-2015), 24-26 (2016) E-ISSN 2277-2502

40. **Rashmi Sharma & Amia Ekka (2016)** – Diversity of medicinal plants in Pt. Ravishankar Shukla University Campus, Raipur, Chhattisgarh, India. *European Journal of Pharmaceutical and Medical Research*. 3(3):383-397. ISSN:3294-3211, SJIF Impact Factor 3.628

41. **Ekka, A.** (2016). Some Ethnomedicinally Important and Rare Plants of North-East Chhattisgarh, India, *International Journal of Advanced Technology in Science and Engineering*, **10**, 97-102.

42. Verma, M., and **Ekka, A.** (2016). Decolorization of Kraft Lignin by Ligninolytic Bacterial Isolates from Timber Soils of Raipur, Chhattisgarh, *International Journal of Advanced Technology in Engineering and Science*, **4**, 230-236.

43. Kujur R & **Ekka, A.** (2016) – Exploring the spider fauna of Gomarda wild life sanctuary , Chhattisgarh , India. *International Research Journal of Biological Sciences*, Vol. 5(6), 31-36, 2016, E-ISSN 2278-3202

44. Ekka N.S.& **Ekka, A.** (2016) – Wild edible plants used by Tribals of North-east Chhattisgarh (Part- I), India. *Research Journal of Recent Sciences*, Vol. 5(ISC-2015), 127-131 (2016) E-ISSN 2277-2502

45. Renu Kujur & **Amia Ekka (2016)**- Spatial diversity of Spiders of Rose Garden , Raigarh, Chhattisgarh, India. *International Journal of Advance Research in Science and Engineering*, **5** (11): 139- 144.

46. Anju Verma and **Amia Ekka (2017)** – Effect of nutritional parameters and NaCl concentration on phosphate solubilisation potential of *Penicillium purpurogenum* Stoll. Isolated from paddy field. *African Journal of Microbiology Research* , Vol. 11 (8): 356-365. ISSN 1996-0808. (UGC Sr. No. - 1628 )

47. Monika Verma & **Amia Ekka (2017)** - Evaluation of Decolorization and Lignin Degrading Potentiality of Ligninolytic *Bacillus aryabhatai* Isolated from Pulp and Paper Mill Waste Water. *AGU International Journal of Professional Studies & Research*, Vol. No. 5, Page 7 – 13. July-Dec.2017, ISSN: 2455-1708; p-ISSN: 2455-6106 , <http://www.aguijpsr.com>. (UGC Journal No. - 42555)

48. Renu Kujur & **Amia Ekka (2017)**- Spatial mapping of spiders (Araneae) in the Gomarda Wildlife Sanctuary, Chhattisgarh, India. *AGU International Journal of Professional Studies & Research* , Vol. 5, Issue 1, July-Dec.2017, Page 134- 140. ISSN: 2455-6106 <http://www.aguijpsr.com>. (UGC Journal No. - 42555)

49. Parvez Ahmed Khan, Amia Ekka, Mehar Afroz Qureshi (2018) - Isolation and Identification of Phosphate Solubilizing Fungi From Rhizospheric soil of Chickpea plants. International Journal of Advance Research in Science and Engineering. Vol.07, Special Issue No. 03, February 2018. Page No. 184-189. [www.ijarse.com](http://www.ijarse.com) (UGC Journal No. 47721) P- ISSN: 2319-8346, E- ISSN: 2319-8354

50. Parvez Ahmed Khan, Amia Ekka, Mehar Afroz Qureshi (2018) – Isolation of Phosphate Solubilizing Fungi from the Rhizospheric Soil of Wheat plant in Raipur. AGU International Journal of Research in Social Sciences & Humanities. Vol. No. 6, Jan – Jun 2018. Page No. 336-341. <http://www.aguijrssh.com> (UGC Journal No. 42559) e-ISSN: 2455-1554; p-ISSN: 2455-6084

51. Pervez Ahmed Khan, Amia Ekka (2018) – ANTIFUNGAL ACTIVITY OF BLUMEA LACERA. International Journal of Advances in Science Engineering and Technology, ISSN(p): 2321 –8991, ISSN(e): 2321 –9009 Volume-6, Issue-4, Oct.-2018, <http://iraj.in> Page 6-8

52. Monika Verma, Amia Ekka(2018) - Decolorization and Degradation of Kraft Lignin Discharged from Pulp and Paper Mill Industry by Axenic and Co-Culture of *Bacillus* sp. *Research J. Pharm. and Tech.* 11(10): October 2018 Page 4386-4392 [www.rjptonline.org](http://www.rjptonline.org) (UGC- 10467) ISSN : 0974-360X (Online) 0974-3618 (Print)

53. Pervez Ahmed Khan and Dr. Amia Ekka (2019) - Characterization of Phosphate solubilizing Microorganism isolated from soil *Research J. Pharm. and Tech.* 2019; 12(3): 1353-1356. [www.rjptonline.org](http://www.rjptonline.org) (UGC- 10467) ISSN Print : 0974-3618 ISSN Online : 0974-360X

54. Monika Verma, **Amia Ekka**, Titikchya Mahapatra, Prabir Ghosh (2020) - Optimization of kraft lignin decolorization and degradation by bacterial strain *Bacillus velezensis* using response surface methodology. *Journal of Environmental Chemical Engineering* 8(2020) 104270 <https://doi.org/10.1016/j.jece.2020.104270> Available online 15th July 2020.

ISSN - 2213-3437 @ 2020 Elsevier Ltd. **Impact Factor – 4.3**

55. Monika Verma, Vijendra Kumar, **Amia Ekka**, Prabir Ghosh (2020) - "Application of biological and advanced oxidation processes (AOPs) for the remediation of wastewater laden with toxic pollutants" Removal of Toxic Pollutants through Microbiological and Tertiary Treatment New Perspectives. Chapter - 3 Page No: 101-138 ISBN: 978-0-12-821014-7 Edited By Maulin P Shah: Elsevier, Radarweg 29, PO Box 211, 1000 AE Amsterdam, Netherlands The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, United Kingdom, 50 Hampshire Street, 5th Floor, Cambridge, MA 02139, United States. <https://www.elsevier.com/books-and-journals>

56. Labya Prabhas<sup>1</sup>, Dr. Amia Ekka (2022) - Total Chlorophyll Determination in Leafy Vegetables Cultivated in Hydroponics and Soil. *International Journal of Food and Nutritional Sciences* Page 1584-1592 (ISSN: 23191775 PRINT, 23207876 ONLINE)

57. Labya Prabhas<sup>1</sup>, Dr. Amia Ekka ( October 2022) – A review on hydroponics : A sustainable approach for plant cultivation. *Journal of coastal life medicine* . Page :832-838, ISSN: 2309-5288 Print, 2309-6152 Online

58. Parvez Ahmed Khan, Amia Ekka, Mehar Afroz Qureshi (2024) – Isolation , Screening and Assessment of Phosphate Solubilizing Potential of Some Fungal Isolates of Raipur City,



59. Shilpi Abha Toppo, Amia Ekka (September – 2024) - Isolation and Identification of Urinary Tract Infectious Bacteria and their Antibiotic Sensitivity Pattern in Different Age Group  
*International Journal of Innovative Science and Research Technology*  
<https://doi.org/10.38124/ijisrt/IJISRT24SEP1219> Volume 9, Issue 9, Page : 2542-2547  
ISSN No:-2456-2165
60. Renu Kujur , Amia Ekka (December 2024) – Spatial Mapping of Spiders (Arachnida : Araneae) under Different Habitats of District Raigarh , Chhattisgarh, India. *Uttar Pradesh Journal of Zoology* , Volume 45, Issue 24, Page 192-201; Article no. UPJOZ4455, ISSN : 0256-971X(P)
61. Shilpi Abha Toppo, Amia Ekka (2025) – Phytochemical Screening of Moringa oleifera leaf powder in Methanol extract. *International Journal of Recent Advances in Multidisciplinary Research*. Vol.12, Issue 01, pp. 10664-10668, January, 2025.

### **[B] CONFERENCE**

1. Participated in International Holistic Health World Congress at Pedar Road, Mumbai, from Jan.01 to Jan. 02 1999
2. Amia Tirkey ,S.S. Khan,F.Khan - Ethnobotanical wealth of Raigarh distt. M.P. – Herbal Medicinal plants used in Dysentery. *National Conference On Sustainable Utilization of Biological Resources*. March 16-18, 2001, at Sagar University M.P. [2001] Page 43. (Sponsored by UGC).
3. Amia Tirkey, T.Saify, F.Khan - Medicinal plants used in treatment of indigestion in Raigarh of M.P. *National Conference On Sustainable Utilization of Biological Resources*. March 16-18, 2001, at Sagar University M.P. [2001] Page 43. (Sponsored by UGC).
4. Participated a XVII International Symposium on Biospeleology from 25<sup>th</sup> to 30<sup>th</sup> November, 2004 at Pt. Ravishankar Shukla University, Raipur (C.G)
5. **Amia Tirkey**- Some ethnomedicinal plants of family Fabaceae of Chhattisgarh State. In International conference on “Modern trends in plant sciences with reference to the role of Biodiversity in conservation” Conference held at Amravati University,(MS) from 17<sup>th</sup> -20<sup>th</sup> Feb.2005, EB-1/15 Page-151. (Sponsored by UGC,Co- Sponsored By CSIR,New Delhi, The Palaeobotanicalsociety,Lucknow ).
6. **Amia Tirkey**,Singh Malti,Koche V & Mishra S.K.-Some medicinal and aromatic plants of Pt.R.S.University Garden on “National Symposium on Biodiversity: Current Status and Prospects” Symposium held at School of Life Sciences, Pt.R.S.U.Raipur.Oct.17-18, 2005Page No.103-108 (Sponsored by UGC,CSIR,New Delhi,Dpt.of Forest,Raipur, C.G )

7. **Amia Tirkey**, S.S. Khan, F.Khan-“Wild food plants of tribals from Chhattisgarh, India” on Silver Jubilee Symposium on the Ethnobotany in the New Millennium Symposium held at NBRI, Lucknow 12-14, Jan. 2006. Page No. 26- 27 (Organized by Society of Ethnobotany).

8. **Amia Tirkey**-Some rare and less known Ethnomedicines among the Oraon and Korwa tribes of Chhattisgarh. On National Seminar on Medicinal Plants: Its present status, prospects and conservation. March 22-23, 2006 held at Midnapur College Midnapur, West Bengal. Page No. 14-15 (Sponsored by UGC).

9. **Amia Tirkey**-Fish stupefying plants used by tribals of Chhattisgarh, India. On National Symposium on “Emerging trends in Plant Biology, Environment Protection and Biotechnology” Department of Botany, Mohanlal Sukhadia University Udaipur (313001) October 09-11, 2006. Page No. 44. (Sponsored by Indian Botanical Society).

10. Participated a National Symposium on “Stem cell – In future medicine” organized by Department of Biochemistry, Pt. J.N.U. Medical College, Raipur (C.G) Dated on 25<sup>th</sup> July 2007

11. **Amia Tirkey**- Some rare folk medicines of Kanwar tribes from Jashpur district of Chhattisgarh, on 14<sup>th</sup> National Conference on Aerobiology Held at School of Studies in Biotechnology Pt. R.S.U. Raipur. C.G. January 15<sup>th</sup> to 17<sup>th</sup> 2007 Page No. 78.

12. **Amia Tirkey**- Some rare and less known ethnomedicinal plants used by tribal communities from Chhattisgarh. Presented in National Symposium on “Diversity and Functionality of plant and microbes” at Department of Botany, University of North Bengal, Siliguri January 24-25, 2008. Page – 09.

13. **Amia Tirkey**- A study on ethnomedicinal uses of plants among the Oraon tribe of Chhattisgarh, International Seminar on Medicinal plants & Herbal products at Department of Botany, S.V. University, Tirupati. from March 07<sup>th</sup> to 09<sup>th</sup> 2008. (Sponsored by National Medicinal Plant Board, Hyderabad) Page – 51.

14. **Amia Ekka** - Medicinal plants used by local inhabitants in Jashpur District. UGC Sponsored National Conference on Climate change & its Effect on Biodiversity. At Department of Biotechnology & Microbiology Bhilai Mahila Mahavidyalaya, Bhilai. 5<sup>th</sup> & 6<sup>th</sup> February 2011.

15. **Amia Ekka** – Some traditional medicinal plants used by tribal community of Chhattisgarh, India. National Conference on Advances in Biological Sciences, at School of Life Sciences, Pt. Ravishankar Shukla University, Raipur from 5<sup>th</sup> to 7<sup>th</sup> November 2011.

16. **Amia Ekka** - Some traditional plants used by tribal community of Chhattisgarh, India. National Conference on Interaction between Traditional and Modern Technology (NCITMT-2012) at C.G. Rajya Gramin Vikas Sansthan, Nimora, Raipur From 24-25<sup>th</sup> March – 2012.

17. Participated in a National Conference on Role of women in national development in the New Millennium. At Centre for Women’s study, Pt. R.S.U., Raipur, from 10<sup>th</sup> to 12<sup>th</sup> January 2013 (Act as a Chairperson)



18. **Amia Ekka** - Some Indigenous herbal plants used by tribes of Chhattisgarh. . National Conference on Current Developments in Modernization of Indigenous Herbal Formulation.at Columbia Institute of Pharmacy, Raipur. From 16<sup>th</sup> to 17<sup>th</sup> March 2013

19. Attended in national seminar on Carbon Credit and Food Security on 22<sup>nd</sup> March, 2013. At School of Life Sciences, Pt. R.S.U.Raipur

20. **Amia Ekka (2014)** - Traditional health care in Baiga Tribes of Chhattisgarh. International Conference-2014 “Ayurveda For All” At Dehradun Jointly organized by AyushDarpan Health Magazine &Tathagat Ayurveda Research Foundation . From 17<sup>th</sup> to 18<sup>th</sup> May 2014, Dehradun.

21. **Amia Ekka (2015)** - Ethnomedicinal Plants used by Kamar Tribes in Chhattisgarh.National Seminar on “Environment and Conservation of Bio-diversity” organized by Department of Botany, Govt. Madanlal Shukla College, Seepat, Bilaspur (C.G.) . January 29-30, 2015

22. **Amia Ekka (2015)** – Research Based Teacher Education In Chhattisgarh (India). National Conference on “Quality Education through Application of Research and Statistics inProfession” May 31, 2015 by Department of Physical Education, Institute of Professional Studies, Gwalior (M.P.).

23. **Amia Ekka (2016)** – Plants used by tribals of Jashpur district for making of sports equipments. National Seminar on Women Empowerment and Sports organized by Department of Sports, Govt. Kamla Devi MahilaMahavidyalaya, Rajnandgaon (C.G.) from 7<sup>th</sup>-8<sup>th</sup> January 2016.

24. **Amia Ekka (2016)** – Some ethnomedicinally Important and rare plants of north-east Chhattisgarh, India. International congress of the Society for Ethnopharmacology, India On Ethnopharmacology& Evaluation of medicinal plants – Global Perspectives. Organized by NCNR, Pt.R.S.U. Raipur From February 19- 21, 2016.

25. **Amia Ekka (2016)** – Some Phosphate Solubilizing Fungi isolated from Paddy Fields of Raipur, Chhattisgarh. 3<sup>rd</sup> International Virtual Congress – [www.isca.net.co](http://www.isca.net.co) from 5<sup>th</sup> to 10<sup>th</sup> August, 2016 organized by International Science Community Association.

26. **Amia Ekka (2016)** – Paper Presentation on “Kraft lignin degradation through bacterial strain isolated from soils of timber areas” International Seminar on Rationalizing the Utilization of Available Natural Resources Through Appropriate Technological Intervention, Swami Shri Swaroopanand Saraswati Mahavidyalaya, Hudco Bhilai, September 22-24, 2015.

27. **Amia Ekka (2016)** – Paper presentation on “Some Ethnomedicinally Important and Rare Plants of North-East Chhattisgarh, India” 2nd international Conference on “Latest innovation in Science, Engineering and Management, The international Centre Goa, Panjim, Goa, India, October, 09, 2016.

28. **Amia Ekka (2016)** – Paper presentation on “Decolorization of Kraft Lignin by Ligninolytic Bacterial Isolates from Timber Soils of Raipur, Chhattisgarh” 2nd international Conference on “Latest innovation in Science, Engineering and Management, The international Centre Goa, Panjim, Goa, India, October, 09, 2016.

## **CHAIRPERSON IN CONFERENCE**

1. II- National seminar on Recent Advances in Biological Sciences, November 25-27, 2013 At School of Life Sciences, Pt. R.S.U.Raipur.
2. XXV National Symposium on Chronobiology: Time in Biology & Medicine, March 27-29.2015 held at School of Life Sciences, Pt. R.S.U.Raipur.
3. International congress of the Society for Ethnopharmacology, India On Ethnopharmacology& Evaluation of medicinal plants – Global Perspectives. Organized by NCNR, Pt.R.S.U. Raipur From February 19- 21, 2016.

## **WORKSHOPS**

1. Participated in a National Workshop on “Taxonomy & Biotechnological aspects of Fungi” at Department of Biological Sciences, Rani Durgawati University, Jabalpur. From August 20<sup>th</sup> to 25<sup>th</sup> 2007 (Sponsored by UGC).
2. Participated in a Workshop on Science Citation Index, Impact Factor, Citation Index and h-Index of Research Publications at Pt. Ravishankar Shukla University, Raipur, on 10/09/2011(Sponsored by UGC)
3. Participated in a Workshop on-SAKSHAM-IT Champion Training Program from 12.12.2011 to 22.12.2011 at Academic Staff College, Pt. Ravishankar Shukla University, Raipur (Chhattisgarh
4. Participated in a Workshop on Prospection and Sustainable Use of Medicinal Plants of Chhattisgarh at Pt. Ravishankar Shukla University, Raipur, from 10<sup>th</sup> to 11<sup>th</sup> September 2012
5. Work shop attended on Trends & Techniques in Chronobiology, January 06-12, 2014. At School of Life Sciences, Pt. R.S.U.Raipur.
6. Work shop attended on “Yoga for Women”, held at Academic Staff College, Pt. R.S.U.Raipur on August 03-09, 2014.
7. National workshop attended on “Research Methodology and Applied Statistics “ May 25-31, 2015. Department of Physical Education, Institute of Professional Studies, Gwalior (M.P.).
8. UGC- Short term course on “Developing communication skill” October 5<sup>th</sup> – 11<sup>th</sup>, 2015.Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur (C.G.).
9. Virtual Workshop on Environmental Studies 5<sup>th</sup> to 10<sup>th</sup> August 2016. Organized by International Science Community Association held at [www.isca.net.co](http://www.isca.net.co).
10. UGC- Short term course on “Gender Issues” October 18<sup>th</sup> – 24<sup>th</sup>, 2016.Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur (C.G.).

## Paper presentation in Seminars,Conferences,Symposia

1. Participate in International Holistic Health World Congress at Pedar Road, Mumbai, From Jan.01 to Jan. 02 1999
  2. Amia Tirkey ,S.S,Khan,F.Khan - Ethnobotanical wealth of Raigarh distt. of M.P. – Herbal Medicinal plants used in Dysentery. *National Conference On Sustainable Utilization of Biological Resources*. March 16-18, 2001, at Sagar University M.P. [2001] Page 43. (Sponsored by UGC ).
  3. Amia Tirkey, T.Saify, F.Khan - Medicinal plants used in treatment of indigestion in Raigarh of M.P. *National Conference On Sustainable Utilization of Biological Resources*. March 16-18, 2001, at Sagar University M.P. [2001] Page 43. (Sponsored by UGC ).
  4. Participated a XVII International Symposium on Biospeleology from 25<sup>th</sup> to 30<sup>th</sup> November, 2004 at Pt. Ravishankar Shukla University , Raipur (C.G)
  5. Amia Tirkey- Some ethnomedicinal plants of family Fabaceae of Chhattisgarh State. In International conference on “Modern trends in plant sciences with reference to the role of Biodiversity in conservation” Conference held at Amravati University,(MS) from 17<sup>th</sup> -20<sup>th</sup> Feb.2005, EB-1/15 Page-151. (Sponsored by UGC,Co- Sponsored By CSIR,New Delhi, The Palaeobotanical society,Lucknow ).
  6. Amia Tirkey,Singh Malti,Koche V,& Mishra S.K.-Some medicinal and aromatic plants of Pt.R.S.University Garden . on “National Symposium on Biodiversity: Current Status and Prospects” Symposium held at School of Life Sciences, Pt..R.S.U.Raipur.Oct.17-18, 2005Page No.103-108.(Sponsored by UGC,CSIR,New Delhi,Dpt.of Forest,RaipurC.G )
  7. Amia Tirkey ,S.S,Khan,F.Khan-“Wild food plants of tribals from Chhattisgarh,India” on Silver Jubilee Symposium on the Ethnobotany in the New Millennium Symposium held at NBRI, Lucknow 12-14, Jan.2006.Page No. 26- 27(Organized by Society of Ethnobotany).
  8. Amia Tirkey-Some rare and less known Ethnomedicines among the Oraon and Korwa tribes of Chhattisgarh. On National Seminar on Medicinal Plants :Its present status, prospects and conservation.March 22-23,2006 held at Midnapur College Midnapur,West Bengal. Page No.14-15 (Sponsored by UGC ).
  9. Amia Tirkey-Fish stupefying plants used by tribals of Chhattisgarh, India. On National Symposium on “Emerging trends in Plant Biology,Environment Protection and Biotechnology” Department of Botany,Mohanlal Sukhadia University Udaipur (313001) October 09-11,2006. Page No.44. (Sponsored by Indian Botanical Society ).
  - 10 Participated a National Symposium on “Stem cell – In future medicine”organized by Department of Biochemistry, Pt.J.N.U.Medical College,Raipur(C.G) Dated on 25<sup>th</sup> July 2007
  11. Amia Tirkey- Some rare folk medicines of Kanwar tribes from Jashpur district of Chhattisgarh. on 14<sup>th</sup> National Conference on Aerobiology Held at School of Studies in Biotechnolgy Pt.R.S.U. Raipur.C.G. January 15<sup>th</sup> to 17<sup>th</sup> 2007 Page No. 78.
  - 12.. Amia Tirkey- Some rare and less known ethnomedicinal plants used by tribal communities from Chhattisgarh. Presented in National Symposium on “Diversity and Functionality of plant and microbes” at Department of Botany, University of North Bengal.Siliguri January 24-25,2008.Page – 09.
  13. Amia Tirkey- A study on ethnomedicinal uses of plants among the Oraon tribe of Chhattisgarh. . International Seminar on Medicinal plants & Herbal products. at Department of Botany, S.V.University,Tirupati. From March 07<sup>th</sup> to 09<sup>th</sup> 2008. (Sponsored by National Medicinal Plant Board,Hydrabad) Page – 51.
-

14. Amia Ekka - Medicinal plants used by local inhabitants in Jashpur District. UGC Sponsored National Conference on Climate change & its Effect on Biodiversity. At Department of Biotechnology & Microbiology Bhilai Mahila Mahavidyalaya , Bhilai . 5<sup>th</sup> & 6<sup>th</sup> February 2011.

---

15. Amia Ekka – Some traditional medicinal plants used by tribal community of Chhattisgarh, India. National Conference on Advances in Biological Sciences, at School of Life Sciences, Pt. Ravishankar Shukla University, Raipur from 5<sup>th</sup> to 7<sup>th</sup> November 2011.

16. Amia Ekka - Some traditional plants used by tribal community of Chhattisgarh, India. National Conference on Interaction between Traditional and Modern Technology (NCITMT-2012) at C.G.Rajya Gramin Vikas Sansthan , Nimora, Raipur From 24-25<sup>th</sup> March – 2012.

17. Participated in a National Conference on Role of women in national development in the New Millennium. At Centre for Women's study, Pt. R.S.U., Raipur, from 10<sup>th</sup> to 12<sup>th</sup> January 2013 (Act as a Chairperson)

18. Amia Ekka - Some Indigenous herbal plants used by tribes of Chhattisgarh. . National Conference On Current Developments in Modernization of Indigenous Herbal Formulation. at Columbia Institute of Pharmacy, Raipur. From 16<sup>th</sup> to 17<sup>th</sup> March 2013

19. Attended in national seminar on Carbon Credit and Food Security on 22<sup>nd</sup> March, 2013. At School of Life Sciences, Pt. R.S.U.Raipur

20. II- National seminar on Recent Advances in Biological Sciences, November 25-27, 2013 At School of Life Sciences, Pt. R.S.U.Raipur. (Act as a Chairperson)

**21. Amia Ekka (2014) -** Traditional health care in Baiga Tribes of Chhattisgarh. International Conference-2014 “Ayurveda For All” At Dehradun Jointly organized by Ayush Darpan Health Magazine & Tathagat Ayurveda Research Foundation . From 17<sup>th</sup> to 18<sup>th</sup> May 2014, Dehradun.

22. **Amia Ekka (2015) -** Ethnomedicinal Plants used by Kamar Tribes in Chhattisgarh.National Seminar on “Environment and Conservation of Bio-diversity” organized by Department of Botany, Govt. Madanlal Shukla College, Seepat, Bilaspur (C.G.) . January 29-30, 2015

23. XXV National Symposium on Chronobiology : Time in Biology & Medicine, March 27-29.2015. At School of Life Sciences, Pt. R.S.U.Raipur. (Act as a Chairperson)

24. **Amia Ekka (2015) –** Research Based Teacher Education In Chhattisgarh (India). National Conference on “Quality Education Through Application of Research and Statistics in Profession” May 31, 2015 by Department of Physical Education, Institute of Professional Studies, Gwalior (M.P.).

**25.Amia Ekka (2015) -** Paper Presentation on “Kraft lignin degradation through bacterial strain isolated from soils of timber areas” International Seminar on Rationalizing the Utilization of Available Natural Resources Through Appropriate Technological Intervention, Swami Shri Swaroopanand Saraswati Mahavidyalaya, Hudco Bhilai, September 22-24, 2015.

26. **Amia Ekka (2016)** – Plants used by tribals of Jashpur district for making of sports equipments. National Seminar on Women Empowerment and Sports organized by Department of Sports, Govt. Kamla Devi Mahila Mahavidyalaya, Rajnandgaon (C.G.) from 7<sup>th</sup>-8<sup>th</sup> January 2016.

27. **Amia Ekka (2016)** – Some ethnomedicinally Important and rare plants of north-east Chhattisgarh, India. International congress of the Society for Ethnopharmacology, India On Ethnopharmacology & Evaluation of medicinal plants – Global Perspectives. Organized by NCNR, Pt.R.S.U. Raipur From February 19- 21, 2016.

28. International congress of the Society for Ethnopharmacology, India On Ethnopharmacology & Evaluation of medicinal plants – Global Perspectives. Organized by NCNR, Pt.R.S.U. Raipur From February 19- 21, 2016. (Act as a Chairperson)

29. **Amia Ekka (2016)** – Some Phosphate Solubilizing Fungi isolated from Paddy Fields of Raipur, Chhattisgarh. 3<sup>rd</sup> International Virtual Congress – [www.isca.net.co](http://www.isca.net.co) from 5<sup>th</sup> to 10<sup>th</sup> August, 2016 organized by International Science Community Association.

30. **Amia Ekka (2016)** – **Kraft lignin decolorization by Bacterial isolates from Timber soils of Raipur, C.G. National Seminar on “Advance Technique in medical Microbiology”(ATMM 2016).** Organized by Dept. of Microbiology , Shri Shankracharya Mahavidyalaya Junwani, Bhilai, 8-9 September 2016

31. **Amia Ekka (2016)** - Paper presentation on “Some Ethnomedicinally Important and Rare Plants of North-East Chhattisgarh, India” 2nd international Conference on “Latest innovation in Science, Engineering and Management, The international Centre Goa, Panjim, Goa, India, October, 09, 2016.

32. **Amia Ekka (2016)** - Paper presentation on “Decolorization of Kraft Lignin by Ligninolytic Bacterial Isolates from Timber Soils of Raipur, Chhattisgarh” 2nd international Conference on “Latest innovation in Science, Engineering and Management, The international Centre Goa, Panjim, Goa, India, October, 09, 2016.

33. **Amia Ekka (2016)** - Paper presentation on “Spatial diversity of Spiders of Rose Garden , Raigarh, Chhattisgarh, India” 2<sup>nd</sup> international Conference on Recent Innovations in Science, Technology, Management and Environment, Indian Federation of United Nations Associations, New Delhi (India), November, 20, 2016

34. **Amia Ekka (2017)** - Paper presentation on “Some less known food plant among the tribals of Jashpur district (C.G.)” National Seminar on Population and Environment , Dept. of Geography , Govt. Yoganandam Chhattisgarh College, Raipur (C.G.), 15-16 February 2017.

35. **Amia Ekka (2017)** - Paper presented on “Evaluation of Decolorization and Lignin Degrading Potentiality of Ligninolytic *Bacillus aryabhatai* Isolated from Pulp and Paper Mill Waste Water”. In 3 Days International Conference on “ Latest Innovations in Science, Engineering and Management”. The International Centre Goa, Panjim, Goa (India). 28<sup>th</sup> , 29<sup>th</sup> , 30<sup>th</sup> September 2017.

36. **Amia Ekka (2017)** - Paper presented on “Spatial mapping of spiders (Araneae) in the Gomarda Wildlife Sanctuary, Chhattisgarh,India”. 3<sup>rd</sup> International Conference on Recent Research

Development in Environment, Social Sciences and Humanities. Indian Federation of United Nation Associations (IFUNA). Qutab Institutional Area , New Delhi, India. Held on 14<sup>th</sup> October 2017.

37. **Amia Ekka (2017)** – Ethnomedicinal plants of North – East Chhattisgarh , India . 2<sup>nd</sup> international conference “ Frontier in Pharmaceutical Science and research “.Columbia Institute of Pharmacy, Raipur, c. g. India. Held on 23<sup>rd</sup> & 24<sup>th</sup> September , 2017.

38. **Amia Ekka (2018)** – Ethnogynocological studies of traditional medicinal plants used by tribals of C.G. National Seminar on “ Gender norms and Gender Equality “ . Center for women’s studies , Pt. Ravishankar Shukla University, Raipur. C.G. February 6 to 8, 2018.

39. **Amia Ekka (2018)** - Isolation and Identification of Phosphate Solubilizing Fungi From Rhizospheric soil of Chickpea plants. 13<sup>th</sup> International conference on Recent Innovations in Science, Engineering and Management. Shri Venkateshwara Shikshan Sansthan’s Nanasahab Mahadik College of Engineering , Peth Naka, Tal : Walwa, Dist : Sangli . Held on 23<sup>rd</sup> February, 2018.

40. **Amia Ekka (2018)** – Ethnobotanical Significance and Antifungal activity of Blumea lacera . “National Seminar on Relevance of Medical Anthropology and Tribal Health Care Systems in the Globalizing World.” Sos in Anthropolgy, Pt. RSU Raipur. March 16-18, 2018.

41. **Amia Ekka (2019)** – Water Management Techniques in Agriculture. “National Seminar on Water resources & Management”. Department of Commerce Govt. P.D. Commerce and Arts Post Graduate College , Raigarh (C.G.), 29<sup>th</sup> November 2019.

### **REFRESHER COURSES/ ORIENTATION PROGRAMMES**

1. U.G.C. sponsored Refresher Course in Computer Sci. & Biotechnology from 23 December 2004 to 13 Jan. 2005; Obtained Grade “A” Organised by S.o.S. in Com. Sci. & Bio. Dep. Pt. Ravishankar Shukla University, Raipur.
2. U.G.C. sponsored Orientation Program in Academic Staff College, Summer Hill Shimla, From 03 April to 30 April 2007; Obtained Grade “A”.
3. U.G.C. sponsored Refresher course at ASC, Kumaun University, Nainita (Uttarakhand); Dated from 14<sup>th</sup> November to 04<sup>th</sup> December 2009

### **TRAINING PROGRAMS**

Attended Training Program on Advanced Instrumental Training Program held at Science and Technology, Kisan Bhavan, Bhopal, from 15.03.1999 to 19.03 1999

### **EDUCATION**

1. 10<sup>th</sup> and 12<sup>th</sup> from *M.P. Board, Bhopal* in year 1991, 1993.

2. **B.Sc from Barkatullah University, Bhopal** in year 1996.

3. **M.Sc from Barkatullah University, Bhopal** in year 1996. (BOTANY)

4. **Ph.D from Barkatullah University, Bhopal** in 31.12.2002. (Botany (Ethnomedicine))

5. **M.Sc. Diploma from IIEE, New Delhi** in year 2000.

### **PERSONAL DATA**

- DATE OF BIRTH: 02/08/1974
- FATHER'S/HUSBAND'S NAME : MR. NEELAM SANJEEV EKKA
- SEX : FEMALE
- NATIONALITY : INDIAN
- MARITAL STATUS : MARRIED

### **List of research Scholars under the Supervision of Dr. Amia Ekka (Subject : Bioscience)**

S.No	Name of Scholar	Registration No./ Date of Registration	Topic	Submitted/Awarded	NET/SET/Post
1.	Anju Verma Adhar No. 43659147996 4	10729/Acad./Ph.D./2014 17/09/2012	Plant Growth Promoting Activity of Phosphate solubilizing Fungi from Soil of Paddy Fields of Raipur District Chhattisgarh.	Awarded 25.01.2021	NET, SET Scientific Officer
2.	Renu Kujur AD.N- 75268384284 8	10729/Acad./Ph.D./2014 17/09/2012	Mapping of Spatial and Temporal Diversity of Spiders in Raigarh Chhattisgarh	Awarded 20.01. 2021	NET, SET Assistant Professor
3.	Monika Verma AD.N- 96434613337 8	3982/Acad./Ph.D./2015 23/07/2013	Degradation and Detoxification of Pulp and Paper Mill Wastewater through Bacterial Consortium	Awarded Feb.2020	NET, SET
4.	Pervez	1553/Acad./Ph.D./2016	Isolation,	Awarded	Research



	Ahmad Khan AD.N 34303751151 1	08/10/2014	Characterization and Up- scaling of Phosphate solubilizing Fungi and their Effect on Chickpea Plant Growth	2 January 2021	Assistant
5.	Vikram Singh	1553/Acad/Ph.D/2016 24.06.2016	Development and standardization of in vitro propagation protocol for virus free Banana (Musa sp.AAA) cv 'Grand Naine'	Awarded 12.03.2021	Assistant Professor
6.	Seema Upadhyay	10729/ Acad/Ph.D/2014 27.03.2014	Elicitation of antioxidant activity and secondary metabolites in <i>Clerodendrum serratum</i> L. through <i>in vitro</i> micropropagation	Awarded 26.02.2021	
7.	Pooja Shree Prasad AD.N 86546075171 8	Letter No. 548/Acad/ Ph.D./2019 Registration No. Ph.D/19/Bio/01 10/10/2018	Potential of Decolorization and Biodegradation of Kraft Lignin by Endophytic Fungi	Left	
8.	Sonal Khandelwal	Letter No. 10891/Acad/ Ph.D./2013 Registration No.	In- vitro micro propagation and RAPD of <i>Cissus quadrangularis</i> Linn.	Awarded 02.11.2021	
9.	Labya Prabhas	Letter No. 3032/Acad/ Ph.D./2020 Registration No. Ph.D/19/Bio/04 18/10/2019	Optimization of Technique to grow Green Leafy Vegetables in Hydroponics		
10.	Durgesh Nandini Joshi				