



**Alka Ekka**

**SCHOOL OF INTERDISCIPLINARY EDUCATION  
AND RESEARCH**

**DEPARTMENT OF BIOTECHNOLOGY  
GURU GHASIDAS VISHWAVIDYALAYA,  
BILASPUR**

**(A CENTRAL UNIVERSITY)**

**Email:alka\_ekka2006@yahoo.com, Contact: 9827909170**

- **Qualifications:** M.Sc., C.G. SET
- **Area of Interest/Specialization:** Microbiology, Microbial Products and Microbial Technology
- **Experience Teaching: 14 years**
- **Awards and Honors**
- **Research Projects:** Exploration of exopolysaccharides producing novel bacterial/fungal strain from the Chhattisgarh having potent Biotechnological application from UGC
- **International Collaboration/Consultancy**
- **Recent Books/Book Chapters/Monographs etc.**
- **Book Chapters:**
  - Kumar A. , Banjara A. R., Sethi S.A., Ekka A. and Dutta J., (2021) Biosensor for Environmental Health: Exploring the Biological and Socioeconomic Impact. In Dutta, J., Goswami, J., Mitra, A., (eds) Multidimensional Approaches To Impacts Of Changing Environment On Human Health, CRC Press Taylor and Francis Group. pp 404-417
  - Ratre, Y. K., Verma H. K., Mehta A., Soni, V. K., Sonkar S .C., Shukla D., Ekka A., Prajapati S. K., Mahilkar S., and Vishvakarma N. K., (2021) Therapeutic Targeting of Glutamine Metabolism in Colorectal Cancer. In Shukla, D., Vishvakarma, N.K., Nagaraju, G.P. (eds) Colon Cancer Diagnosis And Therapy Vol. 2. Springer pp 333-355
  - Sinha , V., Shinde, S., Dixit, V., Tiwari, A., Dixit, A.K., Vishvakarma N.K., Pandey S. K., Ekka, A., Singh, M., Shukla, D., (2021). Prevention and Management of Colon

Cancer by Nutritional Intervention. In: Shukla, D., Vishvakarma, N.K., Nagaraju, G.P. (eds) Colon Cancer Diagnosis and Therapy Vol. 3. Pp 277-306 Springer, Cham. [https://doi.org/10.1007/978-3-030-72702-4\\_8](https://doi.org/10.1007/978-3-030-72702-4_8) pp 143–171

- Kumar A. , Banjara A. R., Sethi S.A., Ekka A. and Dutta J., (2021) Biosensor for Environmental Health: Exploring the Biological and Socioeconomic Impact. In Dutta, J., Goswami, J., Mitra, A., (eds) Multidimensional Approaches To Impacts Of Changing Environment On Human Health, CRC Press Taylor and Francis Group. pp 404-417
- Chandra, V., Loveleen, L., and Ekka, A., (2022) Biosurfactant – a panacea for socio-environmental Issues. In Tripathi, M., Shrivastava, A., Awashthi, K., Pant, H., Chawla, P., (eds.) Physical and Biological Sciences : Know- how Social Solicitation, Krishna Computer Sansthan. Pp 137-146 (ISBN: 978-81-956345-9-0)
- Ekka, A., Namdeo, N., Tiwary, B.N., and Chandra, V., (2022) Isolation, screening, characterization and potential application of biosurfactant producing bacteria from Bilaspur city of Chhattisgarh state In Tripathi, M., Shrivastava, A., Awashthi, K., Pant, H., Chawla, P., (eds.) Physical and Biological Sciences : Know- how Social Solicitation, Krishna Computer Sansthan. Pp 147-157 (ISBN: 978-81-956345-9-0)

➤ **Research Supervision:**

**M.Sc. and B.Sc. Dissertation**

➤ **Administrative Responsibilities**

- Member – Proctorial Board (Core Group), GGV., Bilaspur
- Member – Assistant DSW, GGV, Bilaspur.
- Member – Anti Ragging Committee, (Core Group), GGV., Bilaspur
- Member Counseling Committee for admission in B.Sc. and M.Sc. Courses (Biotechnology, Rural Technology, Zoology, Political Science)
- Member : Gender Champion selection committee
- Member- School Board, School of IER, GGV. Bilaspur

- Member – Board of Studies, Department of Biotechnology, Surguja University.
- Member – Cultural Coordinator of School of Life Sciences
- Member- Discipline Committee
- Member- Departmental purchase committee
- Presiding Officer, Student Council Election
- Assistant Superintendent, UTD Examination
- Member of Ek Bharat Shreshtha Bharat
- NSS UNIT Co-ordinator.
- Departmental coordinator of Samarth portal
- Member – University Project Cell