



Department of Botany
School of Studies in Life Science
Guru Ghasidas Vishwavidyalaya,
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Dr. Ashwini Kumar Dixit

Professor

Qualifications

M.Sc. Botany (Forest Ecology),

Ph.D. (Doctoral Research) in year 1995 (04.01.1995): “Ethnobotanical, Phytochemical and Antimicrobial Studies of Some Medicinal Plants of Sagar District” Department of Botany, Dr Hari Singh Gaur University, Sagar MP, 472001, INDIA.

Area of Interests/Specialization

Medical Botany; Pharmacognosy; Ecosystem Services; Spiritual Botany;

Applied Botany

Experience

Teaching Experience

33 years

Research Experience

33 years

Awards and Honours

- National Award of Excellence 2025 by Global Management Council, Ahemdabad
- The Best Teacher Award, 2025 by Glacier Journal Research Foundation, Ahemdabad
- Adarsh Vidya Sarawati Rashtriya Puruskar 2025 by Glacier Journal Council, Ahemdabad
- INTERNATIONAL STANFORD RESEARCH AWARD 2015 in Ethnomedicine By IASR: International Agency for Standard and Ranking, USA
- PROF S. B. SAKSENA AWARD 2017, by Botanical Society of India
- Fellow, Glacier Journal of Research Foundation
- Fellow, Hind Agriculture Society

- **Reviewer of International Journals**

- o **Fungal Biology**
- o **Planta Medica**
- o **Journal of Scientific Research Bangladesh**
- o **Journal of Crop Science and Biotechnology Springer**
- o **Journals of Science Direct**
- o **Annals of plant sciences**
- o **Protoplasma**
- o **Chemistry and Biodiversity**
- o **Plant Science Today**
- o **Genetic Resources and Crop Evolution**
- o **International Journal of Environment and Climate Change**
- o **Chemical Science International Journal**
- o **International Journal of Medical Case Reports and Reviews**
- o **Journal of Ayurveda and Integrative Medicine and many more**

Patent/ Designs and Copyrights:

S.No	Title of Patent	TYPE	Application number	Date of filing	Date of Publishing	Date of award
1	Chitosan-Based Polyherbal Gel for Enhanced Wound Healing	Patent	202521037854	20.04.2025	16.05.2025	Under examination
2	Herbal Formulation for Rapid Wound Healing	Patent	202421042781	02/06/2024	12/07/2024	Under examination
3	Device for the Detection of Malarial Parasite	Design	432834-001	05.10.2024		06/12/2024
4	Topical Poly Herbal Gel for Hyperpigmentation Control and Method for Preparation thereof.	Patent	202521009776	06.02.2025	21.02.2025	Under examination
5	Autoclave for Industrial Use	Design	443940-001	13.01.2025		13.01.2025
6	Ai Based Skill Development Device	Copyright	12814/2025-CO/L RQ No. 191955	04.04.2025		
7	Bioreactor Device for Culturing Living Cells	Design	452859-001	25.03.2025		30.05.2025
8	Portable DNA Sequencing Device	Design	454676-001	08.04.2025		25.07.2025
11	Wearable Health Monitoring Skin Patch	Design	455695-001	17.04.2025		07.08.2025

12	Ai Across Industries Shaping the Future of Healthcare and More	Copyright	10821/2025-CO/L RQ No. 188935	24.03.2025		12.06.2025
13	Improved Wound Healing Using A Topical Gel Formulation Created by Silver Nanoparticles Derived from Polyherbal Mixture	Patent Germany	202024104929	30.08.2024		09.09.2024
14	A Method for Inhibition Of 5a-Reductase Enzyme Using <i>Hemidesmus Indicus</i> Extract	Patent	202521036214	15.04.2025	02.05.2025	Under examination
15	A System and a Method to Authenticate User Identity Using Self-Evolving Entanglement, Quantum-Classical Identity Hashing, And Tamper-Evident Quantum Interference	Patent	202511058578	18.06.2025	04.07.2025	
16	Student Feedback Collection Device	Design	462672-001	18.06.2025		
17	Student Feedback Collection Device	Copyright	LD-25619/2025-CO	26.06.2025		
18	Wearable Device for Research Data Collection	Design	462673-001	18.06.2025		
19	Wearable Device for Research Data Collection	Copyright	LD-25674/2025-CO	26.06.2025		
20	Device for User Identity Verification	Design	462946-001	20.06.2025		
21	Quantum Computing-Based Authentication Device	Copy right	LD-25203/2025	23.06.2025		
22	Student Feedback Collection Device	Design	467904-001	30.07.2025		
22	A System and Method for Multi-Stimuli Responsive Hydrogel-Based Implant with AI-Driven Adaptive Hormonal Drug Release	Utility	202521054378	05.06.2025	27.06.2025	Under examination

Administrative Responsibilities /Positions Held:

- Ex In-Charge Professor, Central Security Cell, GV
- Nodal Officer- CBCS Cell University

- Ex. Convenor, MHRD – GGV- Innovation council
- Ex, Member, Planning Cell, GGV
- Coordinator, Development Cell for 3 Schools of Studies, GGV
- Former Head, Department of Botany
- Former Head, Head, Department of Forensic Sciences
- Ex Deputy Chief Proctor
- Ex Member, Academic council,
- Ex Coordinator, University Anti Ragging Cell
- Coordinator, LOCF Implementation
- Coordinator, Many Ordinance and Regulation framing Committees
- Former member Academic Council
- Former Member Standing Committee of Academic Council
- Many Administrative and other committees of the University

Research Projects

- a. Eco-restoration and natural regeneration studies of Ecolake, Pondicherry (SAT, London, UK) Rs. 8.5 Lakhs
- b. Studies of terrestrial and aquatic eco
- c. logy, NTPC SIPAT. (NTPC) Rs. 13.06 Lakhs
- d. Diversity Analysis and documentation of unexplored diazotropic Cynobacteria of Chhattisgarh, CSIR DST Rs. 24.90 Lakhs
- e. Assessment of salt responsive physiological and biochemical modifications in *Frankia* strains, UGC Rs. 10.95 Lakhs
- f. Impact of pollution on crops, NTPC SIPAT, Rs 23 Lakhs
- g. Study on assessment of impact on ecosystem & ecological monitoring and water bodies around NTPC Lara station” NTPC, Rs. 43.5 Lakhs
- h. DBT-Boost to Guru Ghasidas Vishwavidyalaya Interdisciplinary Life Science Departments for Education and Research, DBT, New Delhi Total Rs.36980300.00

List of Publications:

- Evaluation of tree species diversity in Bilaspur Conservancy with their threatened status and medicinal values. 2025, *Journal of Bioresources*, 13(2): 12-19 Doi: <https://doi.org/10.5281/zenodo.16749217>
- In Silico Rho Kinase Inhibition and FP-Agonist Potential Study of Rotenoids Present in *Boerhavia diffusa* Root for Curing Uveitic Glaucoma, 2025, *Chemistry Select* 10(12) DOI:10.1002/slct.202404950

- Efficacy of formulations for treating hyperpigmentation: a systematic review and meta-analysis, February 2025, *Archives of Dermatological Research* 317(1), DOI:10.1007/s00403-025-03872-1
- Determination of Antioxidant and Anti-inflammatory Potentials of Selected Therapeutic Plants Aqueous Extract and their Formulation for Wound Healing, December 2024, *International Journal of Pharmaceutical Investigation* 15(1):228-236, DOI:10.5530/ijpi.20251847
- Enumeration of tree species in Guru Ghasidas Vishwavidyalaya Campus, Koni- Bilaspur, Chhattisgarh, June 2024, *Annals of Plant and Soil Research* 26(2):341-344, DOI:10.47815/aprs.2024.10369
- Evidence of polyherbal formulations on wound healing: A systematic review on research trends and perspectives. (2023). *Journal of Ayurveda and Integrative Medicine*, 14(2),100688. Elsevier, PMC9988554 DOI: [10.1016/j.jaim.2023.100688](https://doi.org/10.1016/j.jaim.2023.100688)
- Recent trends in wound care herbal formulations: Meta-analysis and Systematic review. (2023). *International Journal of Pharmaceutical Sciences and Research* 14(4): 1561-1571 SCOPUS DOI: 10.13040/IJPSR.0975-8232.14(4).1561-71
- Pharmacognostical and Qualitative Phytochemical Study of *Glinus oppositifolius* (Linn.) Aug. DC: An Important Ethnobotanical Plant, *GIS journal of Science*, (2021) 8(7): 2105 - 2119 DOI:20.18001.GSJ.2021.V8I1.21.36308
- Immunity boosters in COVID-19: Reality or myth? *Medicine India*, 2021, DOI:10.25259/MEDINDIA_1_2021
- Ethno-medicinal plants used as medicine by traditional healers of Gomarda Wildlife Sanctuary, Raigarh, Chhattisgarh, India, January 2021, *International Journal of Biodiversity and Conservation* 4(3):371-380
- Pharmacognostical Characterization for Taxonomic Identification of *Bacopa monnieri* (L.) Wettst. for Quality Control 2021, *International Journal of Pharma and Bio Sciences* 11(1):54-62, DOI: [10.22376/ijpbs/lpr.2021.11.1.L54-62](https://doi.org/10.22376/ijpbs/lpr.2021.11.1.L54-62)
- *Cyathodium denticulatum* Udar et Srivastava: A rare liverwort new to Chhattisgarh, Central India, 2020 *Current Botany* 12(1):171-174, DOI: [10.25081/cb.2020.v11.5882](https://doi.org/10.25081/cb.2020.v11.5882)
- Assessment of total phenolic content and antioxidant potentiality of selected Indian folk

medicinal plants by spectrophotometric method, July 2020, *Plant Science Today* 7(3):383, DOI: [10.14719/pst.2020.7.3.765](https://doi.org/10.14719/pst.2020.7.3.765)

- Scavenging and metal chelating potential of *Carthamus tinctorious* L. extracts, May 2020, *Current Botany*, DOI: [10.25081/cb.2020.v11.6009](https://doi.org/10.25081/cb.2020.v11.6009)
- The impact of anthropogenic organic and inorganic pollutants on the Hasdeo River Water Quality in Korba Region, Chhattisgarh, India, April 2020, *Bioinformation* 16(04):332-340, DOI: [10.6026/97320630016332](https://doi.org/10.6026/97320630016332)
- A comparative study of antibacterial and antifungal activities of extracts from four indigenous plants, March 2020, *Bioinformation* 16(3):267-273, DOI: [10.6026/97320630016267](https://doi.org/10.6026/97320630016267)
- Richness of thalloid Liverworts in Bilaspur, Achanakmar-Amarkantak Biosphere Reserve and Lafa hills, Chhattisgarh (India), July 2019, *Plant Science Today* 6(3):287, DOI: [10.14719/pst.2019.6.3.469](https://doi.org/10.14719/pst.2019.6.3.469)
- In Vitro Antioxidant Activity, Total Phenolic Contents and Phytochemical Evaluation from Crude Extracts of an endangered plant *Cordia Macleodii* Hook. F. Thomson, June 2019, *Journal of Biomedical and Pharmaceutical Research* 8(3):111-122. DOI: [10.32553/jbpr.v8i3.620](https://doi.org/10.32553/jbpr.v8i3.620)
- Traditional phytotherapy among the Gond tribes of Janjgir-Champa, Chhattisgarh (India), February 2019, *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences* 5(1):765-771,)DOI: [10.26479/2019.0501.64](https://doi.org/10.26479/2019.0501.64)
- Preliminary phytochemical screening, spectroscopic studies and antimicrobial screening of *Carthamus tinctorious*. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*. 2019; 5(3): 330-339.
- “Pollen diversity of some ethnomedicinal plants of Chhattisgarh, India”, *International Journal of Creative Research Thoughts* (IJCRT), 2018, 6 (2): 61-67, ISSN: 2320 2882 doi: IJCRT1872410
- “Palynodiversity of some spices of *Sida* from Bilaspur Region, Chhattisgarh” *Bulletin of Pure and Applied Sciences*. 2018, 37 B (Botany) (2) :112-116 Print version ISSN 0970 4612 DOI:[10.5958/2320-3196.2018.00015.0](https://doi.org/10.5958/2320-3196.2018.00015.0)
- Traditional Phytotherapy Among The Gond Tribes of Janjgir-Champa, Chhattisgarh (India), *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and*

Chemical Sciences 2019; 5(1) : 765-772, DOI: [10.26479/2011.0501.64](https://doi.org/10.26479/2011.0501.64)

- “Ethnomedicinal Importance of Some Invasive Plants of Chhattisgarh, India” *Bulletin of Pure & Applied Sciences- Botany*, 2018, 37b (2): 58-66, DOI: 10.5958/2320-196.2018.00009.5
- “Preliminary Phytochemicals screening and Spectroscopic Characterization of Phytoconstituents from Rhizome extract of *Hedychium coronarium* J. Koenig”. *International Journal of research in Biosciences*, 2018; 7(2): 34-40
- A Review on Different Methods of Determination of Antioxidant Activity Assay of Herbal Plants, (2018), *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*, DOI: [10.26479/2018.0406.56](https://doi.org/10.26479/2018.0406.56)
- Enumeration of the New Hornworts from Bilaspur (Chhattisgarh), India, (2017), *Annals of Plant science* ISSN: 2287-688X, Vol 6 (11) DOI: [10.21746/aps](https://doi.org/10.21746/aps)
- Angiospermic Flora of Achanakmar- Amarkantak Biosphere Reserve, Central India. (2017), *International Journal of Botany and Research* (IJBR) ISSN (P): 2277-4815; ISSN (E): 2319-4456 Vol. 7, Issue 4, Aug 2017, 41-54 DOI:10.24247/ijbraug20176
- Melissopalynological studies of Amadobh region, Bilaspur district, Chhattisgarh, (2017), *International Journal of Botany Studies*, ISSN: 2455-541X 2(3): 42- 51
- *Habenaria diphylla* (Nimmo) Dalzell: A new addition to the orchid flora of Bilaspur district (Chhattisgarh), Central India, (2017), *Current Botany*, 8: 60-65 Doi: 10.19071/cb.2017.v8.3217
- A Review on Pharmacognostical Phytochemical and Ethnomedicinal Properties of *Hedychium Coronarium* J. Koenig an Endangered Medicine” *International Journal of Chinese Medicine*, 2017; 1(2): 49-61 DOI: 10.11648/j.ijcm.20170102.13
- Green synthesis and characterization of silver nanoparticles using *Centella asiatica* L. Urban. 2017, *WJPR* vol. 6(3);1095-1105. DOI: 10.209559/wjpr 20173-7983.
- Forensic approach in solution to the wildlife crime, (2016), *International journal of Multidisciplinary research and Development*, 3(6):86-93,
- A Review on Potential Pharmacological Uses of *Carthamus tinctorious* L. (2015), *World Journal of Pharmaceutical Sciences*, 3(8):1741-1746,

- Verdure Synthesis of AgNps From *Bacopa Monnieri* L. and its antibacterial Efficacy. (2015), ***World Journal of Pharmacy and Pharmaceutical Sciences*** 4(9): 1122-
- An Environmental Cleanup Strategy - Microbial Transformation of Xenobiotic Compounds, (2015) ***International Journal of Current Microbiology and Applied Sciences*** 4 (4) pp. 429-46 ISSN: 2319-7706
- Study of physico-chemical parameters of different pond water of Bilaspur District, Chhattisgarh, India, (2015), ***Environmental Skeptics and Critics***, 2015, 4(3): 89-95 IAEES www.iae.es.org
- Bio-fabrication of silver nanoparticles using aqueous extract of *Ocimum sanctum* L. (2015), ***WJPR***, Vol.4(10).1330-1340.
- Comparative Study of Vitamin C Effect on Serum Lipid Profile in Healthy Male and Female Human Subjects. (2012), ***J. Sci. Res.*** 4 (3), 775-781.
- *Agrobacterium rhizogenes* MTCC 532 induced hairy root development in *Tephrosia purpurea* (L) and its effect on production of Tephrosin. (2012), ***Journal of Scientific Research***. 4 (3), 741-748.
- **Ashwini Kumar Dixit** and Sudurshan M.(2011) Review of Flora of Anti-Diabetic Plants of Puducherry UT.(2011), ***International Journal of Applied Biology and Pharmaceutical Technology***, Vol 2(4):455- 462
- Effect of Vitamin C on Serum Lipid Profile in Normal Human Subject: A Study. (2011), ***International Journal of Current Research***, Vol. 3(11):.286- 288.
- **Dixit, A. K.** (2011) Some herbal remedies for common ailments of children in South India. ***J Biosci Tech***, Vol 2 (5):379-384.
- Assessment of Basal DNA Damage in Normal and Healthy Individuals by COMET Assay", (2011), ***Journal of Bioscience and Technology***. Vol 2(2):246-255.
- *Agrobacterium rhizogenes* induced hairy root development and its effect on production of glycyrrhizin in *Abrus precatorius* (L). (2010), ***Int J Curr Res.*** Vol. 6: 033-038.
- Ethno- medico- biological studies of south India.(2010), ***Indian Journal of traditional knowledge***. Vol. 9(1): 116-118.
- Ethnomedicinal studies of the woody species of Kalrayan & Shervarayan hills, Eastern Ghats, Tamilnadu, India. (2009), ***Indian Journal of traditional knowledge***. Vol. 8(4): 592-597.
- Micropropagation of *Eucalyptus Camaldulensis* Dehn. Clones selected for tsunami affected areas. (2008), ***International Journal of Plant Sciences***. Vol. 3 (2) : 531-535.

- New reports on terricolous mucorales of Pondicherry. (2008), *International Journal of Plant Sciences*. Vol. 3 (1) : 277-280.
- Extraction of non-timber forest product from the woody species of Kalrayan & Shervarayan hills, eastern ghats, Tamilnadu, India. (2008), *International Journal of Plant Sciences*. Vol. 3 (1) : 266-269.
- Seasonal distribution of phytoplankton in Gautami-Godavari estuary, yanam, U.T. of Pondicherry. (2007), *The Bioscan* Vol. 2(4) : 351 -354.
- A Review on Carcinogenic Potential hazards of herbal medications. (2007), *Nature Environ. & Poll. Tech.* Vol. 6 (2): 343-350 .
- Micropropagation of *Phyllanthus amarus* (Sahum & Thom) through nodal shoot segment culture. (2007), *International Journal of Plant Sciences*. Vol. 2 (2) : 79-84.
- Molecular interaction studies in binary mixtures using dielectric absorption. (2006), *Nature Environ. & Poll. Tech.* Vol. 5(2) :299-303.
- Biodiversity of host species of mistletoes of Pondicherry, Coromandel Coast, South India. (2006,)*Nature Environ. & Poll. Tech.* Vol. 5 (2) :309-313.
- Behaviour of polar liquids in different solvents at microwave frequency.(2006), *J Current Science*. Vol. 9 (1) : 376-380.
- Dielectric relaxation mechanism of some polar molecules in Benzene at K – Band.(2006), *J Current Science*. Vol. 9 (1) : 371-375
- Some important plants used in electro-homeopathic system of medicine. (2006), *International Journal of Plant Sciences*. Vol. 1 (2) : 162-164.
- Impact of brewery effluent on black gram (*Vigna mungo*). (2006), *International Journal of Plant Sciences*. Vol. 1 (2) : 172-174 .
- Dielectric behaviour of some polar molecules in Benzene at microwave frequency: A remedy for pollution. (2006), *Nature Environ. & Poll. Tech.* Vol. 5 (3): 393 -398.
- Mangroves can save us from Tsunami. (2005), *Agrobios*. 5: 57-59

Books:

1. *Carthamus tinctorious*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
2. RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121
3. Plants of Guru Ghasidas Vishwavidyalaya Vol -I
4. Plants of Guru Ghasidas Vishwavidyalaya Vol -II

5. Grasses of Guru Ghasidas Vishwavidyalaya

Book chapters:

1. Priyanka Kumari, Ashwini Kumar Dixit and others (2025) Nano-lipid carriers: A potential candidate in topical drug delivery, In Book NANODERMATOLOGY, Advances in Theory and Practice, Elsevier, Radarweg 29, PO Box 211, 1000 AE Amsterdam, Netherlands. ISBN: 978-0-443-36326-9. DOI: <https://doi.org/10.1016/B978-0-443-36326-9.00021-6>
2. Satish Dubey A K Dixit et al. (2025) Antioxidant phytochemicals protecting against oxidative stress and chronic diseases, In Book: Phytoceuticals in Food for Health and Wellness. Academic press, Elsevier, London UK. DOI: <https://doi.org/10.1016/B978-0-443-26494-8.00009-4>
3. A K Dixit, Kundan Ojha, (2025) Cyanobolites: Future Prospects in Therapeutics and Biological Innovation, In book : Plant Secondary Metabolites - Occurrence, Structure and Role, Intech open, London, Aug 2025, ISBN: 978-1-83634-545-9, <https://doi.org/10.5772/intechopen.1010149>
4. Barkha Kumari, Satish Dubey, Ashwini Kumar Dixit, Shraddha Manish Gupta, Durgesh Nandini Chauhan, Kamal Shah, Nagendra Singh Chauhan, (2025), Caryophyllene Oxide: A Multifaceted Terpenoid with Potent Biological Activities, In book: Green Biotechnology for Herbal and Medicinal Plant Metabolites, Taylor and Francis <https://doi.org/10.1201/9781003392910-12>
5. Harsh Yadav, Satish Dubey, Naureen shaba Khan, & Ashwini Kumar Dixit, (2023). Nanoherbals Drug Delivery System for Treatment of Chronic Asthma. Advances in Novel Formulations for Drug Delivery, 473-490. <https://doi.org/10.1002/9781394167708.ch25>
6. Ashwini Kumar Dixit (2022) Medicinal Plants Research Trends and Dimensions Biocompatible Drug Development Strategies (BDDS) for the Characterization of Antimicrobial Properties (APS) of Medicinal Plants (MPS) Regarding Multidrug-Resistant Microorganisms (MDRMS). In Book Medicinal Plants Research Trends and Dimensions, P.K. Publishers & Distributors New Delhi, ISBN: 978-93- 92239-47-2
7. Ashwini Kumar Dixit (2022) Colon Cancer diagnosis and Therapy Vol.3 Prevention and Management of Colon Cancer by Nutritional Intervention. Springer 978-3-030- 72702-4
8. Ashwini Kumar Dixit (2021) Theragnostic and Precision Medicine for the Management of Hepatocellular Carcinoma, Volume 3 Translational and Clinical Outcomes Therapeutic options for the management of hepatocellular carcinoma. Springer 978-0-323- 99283-1
9. Yashwant Kumar Ratre, Sakshi Mirjha, Shriya Soni, Arundhati Mehta, Ashwini Kumar Dixit, Dhananjay Shukla, Naveen Kumar Vishvakarma, Rajat Pratap Singh (2022) The Battle Within: Understanding Cancer Metabolism Metabolism of Amino Acids in Cancer:

A metabolic prospective. Springer ISBN- 978-93-84817- 18-3

10. Rashmi Dehariya, Jagriti Chandrakar, Pooja Pachurekar, (2018) Ashwini Kumar Dixit **An overview of *Carthamus tinctorius* (L.)** In *Carthamus tinctorius*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
11. Ashwini Kumar Dixit, Vibhay Nath Tripathi, Monika Bhaskar, ***Ethnobotanical aspects of Carthamus tinctorius* (L.)** In *Carthamus tinctorius*: A wonderful medicinal plant Monograph. ISBN-978-93-84817- 03-9
12. Rashmi dehariya, Kundan Ojha, Ashwini Kumar Dixit, **Pharmacognostic evaluation of *Carthamus tinctorius*** in *Carthamus tinctorius*: A wonderful medicinal plant Monograph Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
13. Pooja Pachurekar, Mery Aradhana Kerketta, Ashwini Kumar Dixit, **Fourier transform infrared (FTIR) spectroscopic analysis of *Carthamus tinctorius* (L.)** Leaf extract in *Carthamus tinctorius*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9.
14. Ashwini Kumar Dixit, Akanksha Singh, Satish Dubey, Devandra Singh Porte, Jagriti chandrakar, **The gas chromatographic (GCMS) analysis of *Carthamus tinctorius* (L.)** Leaf extract in *Carthamus tinctorius*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
15. Ashwini Kumar Dixit, Santosh Kumar Prajapati, ***Carthamus tinctorius* (L.) Leaf extract as antimicrobial agent**, in *Carthamus tinctorius*: A wonderful medicinal plant Monograph. Poddar Publication, Chittupur, BHU. ISBN-978-93-84817-03-9
16. Rashmi Dehariya, Akanksha Singh, Pushpraj singh, Ashwini Kumar Dixit, **Total phenolic content of aqueous and methanolic leaf extracts of *Carthamus tinctorius* (L.)** in *Carthamus tinctorius*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
17. Ashwini Kumar Dixit, Shilpa Vinodiya, Naveen Kumar Vishwakarma, Mery Aradhana Kerketta, Monika Bhaskar, **Metal chelating activity of leaf extracts of *Carthamus tinctorius* (L.)** in *Carthamus tinctorius*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
18. Kundan Ojha, Rashmi Dehariya, Veenita Dixit, Shilpa Vinodiya, Akanksha Singh, Ashwini Kumar Dixit, **Antioxidants of *Carthamus tinctorius* (L.) Leaf extract** in *Carthamus tinctorius*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
19. Ashwini Kumar Dixit, Rashmi Dehariya, Kundan Kumar Ojha, Shilpa Vinodiya, Darakhsa Kauser Sheikh, **Activity of *Carthamus tinctorius* (L.)** In controlling diabetes, in

Carthamus tinctorious: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9

20. Robin Anigo Minj, Kundan Ojha, Barkha Kumari, Pooja Pachurekar, Ashwini Kumar Dixit, **In silico studies of phytoconstituents of Carthamus tinctorious (L.) for antidiabetic activity**, in *Carthamus tinctorious*: A wonderful medicinal plant Monograph. Poddar Publication Chittupur, BHU. ISBN-978-93-84817- 03-9
21. Shilpa Vinodaya, Akanksha Singh, Shweta Subramaniam, Anurag Dwivedi, Ashwini Kumar Dixit **Plant Diversity: A Vital Component of Ecosystem Services**, In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
22. Ashwini Kumar Dixit, Shreevanee Sharma, Priyanka Kumari, Pooja Pachurekar, Satish Dubey, **For the ecologically sustainable synthesis of nanoparticles for biological purposes, medicinal plants are a boon**. In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
23. Kundan Ojha, Robin anigo minj, Akanksha Singh, Priyanka Kumari, Barkha Kumari, Arundhati Mehta, Devendra Kumar Patel, Ashwini Kumar Dixit, **Biodiversity and ecological impact of cyanobacteria in polar regions**, In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
24. Satish Dubey, Arundhati Mehta, Priyanka Kumari, Shreevanee Sharma, Ashwini Kumar Dixit, **Phenolic Compounds and their potential as a Therapeutic Intervention for Wound Healing**. In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
25. Barkha Kumari, Ashwini Kumar Dixit, **Natural flavonoids as tyrosinase inhibitor for treatment of skin hyperpigmentation** In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
26. Shreevanee Sharma, Seema Rai, Ashwini Kumar Dixit, Arundhati Mehta, Satish Dubey, **The chorioallantoic membrane of the chicken as a research model in the biological sciences**. In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
27. Kundan Ojha, Akanksha Singh, Barkha Kumari, Priyanka Kumari, Amar Abhishek, Monika Bhaskar, Arundhati Mehta, Ashwini Kumar Dixit **Targeted Therapy: A Promising New Approach to Cancer Treatment**. In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
28. Barkha Kumari, Jagannath Prasad Suryawanshi, Kundan Ojha, Akanksha Singh, Satish

Dubey, Priyanka Kumari, Arundhati Mehta, Ashwini Kumar Dixit **Endangered Indian medicinal plants and their conservation methods.** In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.

29. Akanksha Singh, Barkha Kumari, Basant Kumar Pradhan, Reshma Jangde, Ashwini Kumar Dixit, **New Trends in Plant Preservation through Herbarium Techniques.** In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
30. Kundan ojha, Barkha Kumari, Prabhat Bhagat, Narendra Kumar Mishra, Arundhati Mehta, Ashwini Kumar Dixit, **Nanotechnology: Advancing Innovation and Sustainability.** In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
31. Jagriti Chandrakar, Satish Dubey, Kundan Ojha and Ashwini Kumar Dixit, **An overview on pharmacological importance of *Tinospora cordifolia*.** In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.
32. Kundan Ojha, Akanksha Singh, Priyanka Kumari, Barkha Kumari, Arundhati Mehta, Deepanker Yadav, Vikash Kumar Vaishnav, Ashwini Kumar Dixit **The growing importance of in-silico approaches in biological sciences.** In RECENT ADVANCES IN BIOLOGICAL SCIENCES, Poddar Publication Chittupur, BHU. ISBN: 9789384817121.

Research Supervision

- **Ph.D.: 14 Awarded**
- **Submitted: 01**
- **Ongoing : 03**

S.No.	Name of Scholar	Research Topic	Status
1.	Naureen Saba Khan	Bio-Fabrication of silver nanoparticles from <i>Bacopa monnieri</i> (L.) Wettst and <i>Centella Asiatica</i> (L.) Urban and their antimicrobial studied.	Awarded
2.	Neha Singh	Melissopalynological study in Bilaspur District (Chhattisgarh)	Awarded
3.	Shivangee Singh	Studies in Pollen morphology of flowering plants from Bilaspur region	Awarded
4.	Shilpa Vinodia	Floristic Composition of Bilaspur, Achanakmar-Amarkantak Biosphere Reserve and Korba regions of Chhattisgarh state (India): With special reference to Rare, endangered and threatened Taxa.	Awarded
5.	Darakhsa Kausher Sheikh	Study of invasive plants of Bilaspur, Chhattisgarh and phytochemical investigation of	Awarded

		selected species	
6.	Jagriti Chandrakar	Phytochemical and Antimicrobial studies of <i>Cordia macleodii</i> Hook. F. Thomsomn.	Awarded
7.	Robin Anigo Minj	Assessment of Cyanobacterial Diversity of plains and North Hills of Chhattisgarh by Using Polyphasic Approach	Awarded
8.	Mery Aradhana Kerketta	Studies on Morpho-Taxonomical Diversity of Liverworts and Hornworts in and around Bilaspur district (Chhattisgarh)	Awarded
9.	Monika Bhaskar	Evaluation of human induced variations of Heavy metals in river water and phytoremediation through Indian rice Plant (<i>Oryza sativa</i> L.)	Awarded
10.	Rashmi Daheriya	Pharmacognostical, Ethnobotanical and Antimicrobial studies of <i>Carthamus tinctorious</i> L.	Awarded
11.	Pooja Pachurekar	Pharmacognostical, Phytochemical, In Vitro studies and Biomimetic AgNPs synthesis of <i>Hedychium coronarium</i> J. Koenig.	Awarded
12.	Satish Dubey	Assessment of wound healing property of herbal formulations	Awarded
13.	Kundan Kumar Ojha	Portrayal of Cyanobacteria Oscillatoria strains and its secondary metabolites for biological activity.	Awarded
14.	Akanksha Singh	Virtual flora of tree species in Bilaspur conservancy through database management system.	Awarded
15.	Barkha	Evaluation of herbs and botanicals for the treatment of hyperpigmentation	Submitted
16.	Priyanka Kumari	Appraisal of herbs and Botanicals in hair care and regeneration	Ongoing
17	Khushboo Kushwaha	Hypoglycemic potentials of poly herbal formulations against type 2 diabetes Miletus	Ongoing

Post Graduate Dissertation: 50

Additional Information

Invited Talks / Resource Person

International : 07

National : 67

HRDC (Refresher course / orientation course): 97

International Conferences proceedings /abstracts: 18

Conferences and Seminar proceedings /abstracts: 61

- Barkha and Ashwini Kumar Dixit; D-limonene and 3-Cyclohexen-1-ol Activity Against Tyrosinase Enzyme: An In-Silico Assessment in International Conference on Medicinal Plants Research and tribal health medicine, February 21-23, 2024, Guru Ghasidas Central University, Bilaspur, Chhattisgarh, India.
- Barkha, Priyanka Kumari and Ashwini Kumar Dixit; An Ethnobotanical Survey of Medicinal Plants Among Different Regions of Chhattisgarh Used to Cure Hyperpigmentation, September 18-20, 2024 Organized by – ICEE and Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India.
- Priyanka Kumari, Ashwini Kumar Dixit; Green tea (*Camellia sinensis*) Phytometabolites as Natural 5 α -Reductase Inhibitors: A Safer Alternative for Managing Androgenetic Alopecia, 20-21 March 2025, International Conference on Global perspectives of Medicinal Plants, Traditional system of medicine to nano-medicine (ICGMP-2025), Ramjas college, University of Delhi.
- Priyanka Kumari, Ashwini Kumar Dixit; Fungi to the Follicle Rescue: Dual action of *Ganoderma lucidum* on Androgenic Alopecia through DHT Blockade, 1-3 December 2024, at Fifth- Science Conclave-cum National Biomedical Research Competition (NBRCOM), AIIMS, Delhi and SCMM, JNU, New Delhi.
- Priyanka Kumari, Barkha, Ashwini Kumar Dixit; In silico and In vitro assessment of *Ganoderma lucidum* extract on androgen induced-alpecia: a promising natural DHT blocker for hair care, 27-29 October 2024, Patanjali Research Foundation, Haridwar.
- Priyanka Kumari, Prof. Ashwini Kumar Dixit; Exploring The Botanical Tapestry: Medicinal Plants and Traditional Phytotherapy in Tribal Hair Care Practices of Chhattisgarh, India, 18-20 September 2024, 10th International Conference on Environment and Ecology (ICEE 2024), Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh.
- Priyanka Kumari, Prof. Ashwini Kumar Dixit; Epigallocatechin gallate and Epicatechin gallate, promising catechins against 5 α -Reductase Enzyme: An In-silico Assessment, 21-23 February 2024, at International Conference on Medicinal Plants Research, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh from.
- Priyanka Kumari, Prof. Ashwini Kumar Dixit; Computational Exploration of Phytochemical Efficacy: Unraveling the Interaction Dynamics Between Linoleic Acid and 5 α -Reductase for Hair Growth Promotion and Alopecia Mitigation, 17-20 January 2024, at 9th INDIA

INTERNATIONAL SCIENCE FESTIVAL 2023 (IISF 2023) (Young Scientist Category), Faridabad, Haryana, India.

- Priyanka Kumari, Prof. Ashwini Kumar Dixit; Computational Insights- Harnessing Herbo-Chemicals for Hair-Care, 08-10 November 2023, at ASIAN FEDERATION OF PHARMACEUTICAL SCIENCES, Hanoi University of Pharmacy, Hanoi, Vietnam.
- Khushboo Kushwaha, Prof. Ashwini Kumar Dixit; Medicinal plants potentialities to achieving sustainable developmental goals, 18-20 September 2024, Organized at 10th International Conference on Environment and Ecology (ICEE 2024), Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh.
- Kundan Ojha, Prof. Ashwini Kumar Dixit; Freshwater cyanobacteria (*Oscillatoria*) as a possible bioactive agent for antitumor/cancer therapy, April 14-15, 2023, Organized at Department of Rural Technology and Social Development, School of Studies of Interdisciplinary Education and Research, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India.
- Kundan Ojha, Prof. Ashwini Kumar Dixit; Exploring the Multifaceted Bioactivity of *Oscillatoria* sp: A Comprehensive Study on Antioxidant and Anticancer Properties, Unveiling Novel Compounds and Therapeutic Prospects, December 1-3, 2023 at 64th Annual International Conference of the Association of Microbiologists of India (AMI 2023), Bundelkhand University, Jhansi, U.P., India.
- Akanksha Singh, Prof. Ashwini Kumar Dixit; participated in the International Symposium on Plant Taxonomy, Ethnobotany and Botanic Gardens on 13-14 February, 2023, Botanical Survey of India, Kolkata.
- Satish Dubey and Ashwini Kumar Dixit; Quantitative ethnobotanical study of medicinal floras utilized in the Indigenous knowledge system by the local people of Chhattisgarh East Central India, 21-23 February 2024, Guru Ghasidas Central University, Bilaspur, Chhattisgarh, India.
- Satish Dubey and Ashwini Kumar Dixit; Role of a potent traditional spice (*Curcuma longa* L.) in wound healing 26-27 September 2022, Rural Technology and Social Development, Guru Ghasidas Central University, Bilaspur, Chhattisgarh, India.
- Chitosan AgNP's Composite as water purifier to remove pesticides in Drinking water" In National Conference on "Frontiers in Research & Development on Agriculture, Biomedical and Pharmaceutical Sciences" FABCP-2016 by DST and Mewar University Chhitorgarh , Rajstan. 4th March 2016

- “Bioprospecting of Microbial resources” in National conference on Microbial Resources, Bio-energy and human Environment, UGC and Botanical Society, Dr H S Gaur University, Sagar MP. 10-11 August 2017
- “Healing power of Medicinal Mushrooms” DLS college, Bilaspur, CG 2017
- “Bio-Nanoparticles and Biotechnology” in National conference on Recent Advances in Biotechnology and Biofuels, by DBT and Bilaspur University, Bilaspur, CG. 12-13 September 2016
- “The Effect of elevated atmospheric CO₂ on plant communities” in Climatic change and its Impact on Agriculture in Chhattisgarh state by CG-COST and Chaitanya College, Pamgarh, Janjgir 23-24 January 2016
- “Traditional ethno-medicinal Knowledge and IPR issues” in National seminar FER-15 by IGNTU, Amarkantak MP 9-11 March 2015
- “An environmental cleanup strategy: Bioremediation of xenobiotic compounds” in national conference on Bioremediation and our Environment by MPCST and Noble College, Sagar MP 16-17 May 2015
- “Hindi Sahitya mai Vanspati ka yogdaan” in National Seminar on Hindi Sahitya mai Kissan: sapne, sangharsh, chunotiyan aur 21th sadi, by UGC and Govt Lahidi Mahavidyalaya, Korba, Korba, CG 27 – 28 Feb 2015
- “Tribal –Medico-Botanical Knowledge and Patent, IPR issues in India” National seminar on Mapping Art and Culture of Tribes in India; Tradition and Modernity by ICSSR, IGRMS, Dept of culture & Archeology CG and Bastar Vishwavidyalaya, Jagdalpur, CG 16-17 December 2014
- “Self Instrumental Materials for open distance learning in biological sciences” National conference on DSIM-ODL 2013 at PSSOU, Bilaspur CG 29-31 March 2013
- “Biological solutions to Challenges in sustainable biofuel production” in National symposium on Plant Biology in Sustainable Food and Energy Production” UGC and Guru Ghasidas Central University, Bilaspur CG. 17-18 March 2012
- Pooja Pachurekar and A K Dixit “Pharmacognostical and phytochemical values of *Hedychium coronarium* j. Koenig an endangered medicine of Madhya Pradesh”. In International Conference on “Novel frontiers and pharmaceutical and health Sciences” Organized by: Innovare Academic Sciences at Vigyan Bhavan Bhopal (M.P.), October 10-11, 2015.

- Pooja Pachurekar and A K Dixit “Rhizome extract mediated biomimetic synthesis of AgNPs their characterization and bactericidal activity against human pathogens” in International Conference on “Recent advances in Biotechnology and Nanotechnology”, Organized by: Amity University Gwalior (M.P.), February 9-12, 2016.
- Pooja Pachurekar and A K Dixit “Oxidative stress and ROS scavenging potential of *Hedychium coronarium* J. Koenig”. In International Conference on “Molecular Biology of Stress Responses in Phototrophs”. Organized by: Department of Biotechnology, Indira Gandhi National Tribal University, Amarkantak (MP) (12th to 14th November 2016)
- Rashmi Daharia and A K Dixit, Participate and present a poster entitled “Preliminary Phytochemical Studies from the Seed Extract of *Carthamus tinctorius* “in the First International Conference on Novel Frontiers in Pharmaceutical and Health sciences organized by Innovare Acedemics sciences on 10 -11 October 2015.
- Rashmi Daharia and A K Dixit “Review on different in vitro methods for the assessment of antioxidative activity”. In the International Conference on Recent Advances in Biotechnology and Nanobiotechnology held on 9-2-2016 to 12-2- 2016 in Amity University at Gwalior, (M.P).
- Naureen Shaba Khan and A K Dixit, Entirely green synthesis and characterization of silver nanoparticles using *Centella asiatica* (L.)Urban” in NANOS-2015 International conference on Nanoscience, nanotechnology and Advanced Materials held on 14th to 17th December 2015 organised by Department of chemistry of Gitam University at Visakhapatnam.
- Singh, S. & Dixit, A.K., 2016, Palynotaxonomical Studies of some Medicinal Plants Used by Tribes of Chhattisgarh., XXVI Annual conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on Conservation and Sustainable Utilization of Biodiversity. Shivaji University, Kolhapur, TRS-08, pp. 63
- S. Vinodia and Dixit A. K. 2017. Occurrence of some rare plants in Korba district (Chhattisgarh) and their Habitat ecology. 3rd International Conference on Environment and Ecology (ICEE-2017). Abstract, C-034 pp. 132..Abstract, pp. Department of Botany, St. Xavier’s College, Ranchi. March 27-29,2017
- S. Vinodia and Dixit A. K. 2016. Studies on Plant diversity, Anthropogenic disturbances and Status of dry Deciduous Forest in Chhattisgarh, Central India. XXVI Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on Conservation and Sustainable Utilization of Biodiversity. Abstract, O-T2-38 pp 109 .Department of Botany, Shivaji University, Kolhapur, November 7-9.

- Kerketta M.A. ,Dixit A.K. (2017) Occurrence of Salt Tolerant Bryophytes as Bioindicator at Specific habitat in Bilaspur (Chhattisgarh) 3 International Conference on Environment and Ecology(ICEE 2017)Department of Botany St. Xavier's College Ranchi, Jharkhand 27 -29 march 2017 C-050 pp146
- Pooja Pachurekar and A K Dixit “Eco-friendly green synthesis of AgNPs using extract of *Hedychium coronarium* j. Koenig”. In National Seminar on “Climate change and its impact on Agriculture in Chhattisgarh State” Sponsored By: Chhattisgarh Council of Science & Technology Raipur (CG) Organized by: Department of Geography, Chaitanya College, Pamgrah, Dist. Janjgir-Champa (CG) (23rd & 24th January 2016)
- Rashmi Daharia and A K Dixit “Biomonitoring of environmental conditions (Emphasis on heavy metal contamination by plant , lichens and mosses”. In the regional meet on science and education. Bhopal Madhya Pradesh on February 28, 2015.
- Rashmi Dehariya and Ashwini Kumar Dixit, Impact of environmental stress on secondary metabolites in plants: A brief Review, Pamgarh,
- Neha singh and A K Dixit, Melissopalynological studies: A tool for the assessment of plant Diversity. XXVI Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on “Conservation and Sustainable Utilization of Biodiversity”. Organized by: Department of Botany, Shivaji University, Kolhapur (MS), India, November, 7- 9, 2016.
- Neha Singh and A K Dixit, National seminar on Plants, Microbes and Environment: Interaction, Challenges and Remedies. Organized by: Department of Botany, Dr. H. S. Gour University, Sagar (M.P.), February, 20 -21, 2016.
- Naureen shaba Khan and A K Dixit, Implications of Nanoparticles on the health of environment” at National conference on Climate changes: Past, Present and Future in Poona college, Pune, 12th and 13th january2015.
- Naureen shaba Khan and A K Dixit, “An Important Medicinal Plant – *Bacopa monnieri* L.: Monotypic study” in the National seminar on Environment and Conservation of Biodiversity at Seepat, Bilaspur on 29th and 30th January 2015.
- Naureen shaba Khan and A K Dixit, “Verdure synthesis of Silver Nanoparticles from *Bacopa monnieri* and its antibacterial efficacy” in the National Workshop cum Seminar on “Frontiers in Ethnomedicinal Research” FER-15(Traditional to Translational) on March 9-11, 2015.
- Naureen shaba Khan and A K Dixit, “Eco-friendly synthesis of silver nanoparticles: A step ahead in reducing pollution” National seminar on Effect of climate change on environment held in the

Department of Geography, Chaitanya college, Pamgarh, Janjgir-champa (C. G) on 23rd & 24th January 2016

- S. Vinodia and Dixit A. K. 2017. Inventory of Some rare plants in Bilaspur district (Chhattisgarh). National Conference on Plant Science Technologies: Current Status and future Prospects (NCPST-2017). March 21-23. Abstract, pp 43. Department of Botany, Guru Ghasidas Vishwavidyalaya.
- Kerketta M.A., Dixit A.K. (2017) Occurrence of Hornworts around Bilaspur district, Chhattisgarh. NCPST 2017 GGV Bilaspur 21- 23 march 2017
- Jagriti Chandrakar and A K Dixit (2017) A tree with great medicinal properties: Cordia meeleodii Hook f. Thomson, in national conference on Microbial Resources, Bioenergy and Human Environment, University of Saugor, Dept of Botany, August 10-11 2017.

Doctoral committee Member

Pondicherry University, Puducherry

Satyabhama University, Chennai

SRM University, Chennai

Alagappa University, Karaikudi

Madras University, Chennai

Osmania University, Hyderabad

Annamalai University, Chidambaram

Bhartidasn University, Trichy

Bharathiar University, Coimbatore

University of Kerala, Thiruvananthapuram

CV Raman University, Bilaspur

Dr HS Gour University, Sagar MP

NEHU, Meghalaya

Barkatulla University, Bhopal

Hemvatinandan Bahuguna University, Srinagar UK

Avdesh Pratap Singh University, Rewa

MS University, Vadodara and many more

Membership of Scientific Societies & Publications

The Society for Economic Botany, USA

India Science Congress

Global Management Council

International Journal of Plant Sciences,
Glacial Journal Research Foundation
Nature Environment and Pollution Technology.
Journal of Current Sciences
The Bioscan
Tropical Medicinal Plants of Asia.
Plant biology

Prof. Ashwini Kumar Dixit