Biodata of Dr Puja Khare

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https://orcid.org/0000-0002-4840-5168

Awards

- CSIR-Senior Research Fellowship (SRF)-1996 Awarded by Council for Scientific and Industrial Research CSIR, New Delhi, INDIA.
- CSIR- Research Associate (RA)- 1999 Awarded by Council for Scientific and Industrial Research CSIR, New Delhi, INDIA.
- DST- Science and Engineering Research Council (SERC)- Fast Track Young Scientist 2007 Awarded by the Department OF Science and Technology, India
- DST- Science and Engineering Research Council (SERC)- Fast Track Young Scientist 2013 Awarded by the Department OF Science and Technology, India
- 2012 Environmentalist of the Year 2012 by Award National Environmental Science Academy, New Delhi.
- 2014 Scientist of the Year Awards by Award National Environmental Science Academy, New Delhi
- 2023 Awarded NESA Green Technology Innovative Award-SASE 2023 by National Environmental Science Academy

CSIR-CIMAP Appreciation awards

- In 2022: Paurabi Das, **Puja Khare***, Raghavendra Pratap Singh, Vineet Yadav, Pratibha Tripathi, Anuj Kumar, Versha Pandey, Pooja Gaur, Asha Singh, Ram Das, Channayya Hiremath, Ashutosh Kumar Verma, Ashutosh K Shukla, Karuna Shanker, 2021, Arsenic-induced differential expression of oxidative stress and secondary metabolite content in two genotypes of Andrographis paniculataJournal of Hazardous Materials 406, 124302
- In 2021: Shilpi Jain, **Puja Khare***, Disha Mishra, Karuna Shanker, Priyambada Singh, Raghavendra Pratap Singh, Paurabi Das, Ranu Yadav, Binoy K Saikia, BP Baruah, (2020). Biochar aided aromatic grass [Cymbopogon martini (Roxb.) Wats.] vegetation: A sustainable method for stabilization of highly acidic mine waste, Journal of Hazardous Materials 390, 121799.
- In 2017: S Jain, D Mishra, **Puja Khare***, V Yadav, Y Deshmukh, A Meena, (2016). Impact of biochar amendment on enzymatic resilience properties of mine spoils Science of the Total Environment 544, 410-421
- In 2016: Y. Deshmukh, V. Yadav, N. Nigam, A. Yadav, **Puja Khare***, 2015, Quality of bio-oil by pyrolysis of distilled spent of *Cymbopogon flexuosus*,Journal of Analytical and Applied Pyrolysis 115, 43-50
- In 2014 V Yadav, BP Baruah, **Puja Khare***,(2013) . Comparative study of thermal properties of bio-coal from aromatic spent with low rank sub-bituminous coals, Bioresource technology 137, 376-385

CSIR-NEIST Appreciation awards

In 2023 M Saikia, A Singh, A Dihingia, **Puja Khare**, J Kalita, BK Saikia, 2022, Scalable production, cell toxicity assessment, and plant growth promotion activities of carbon quantum dots derived from low-quality coal feedstock, Chemical Engineering Journal 433, 133633

In 2010: Certification of Appreciation for Best Women Scientist of the year 2009-2010

Got certificate from Science Direct for **Science Direct top 25 list of most downloaded** articles for the paper "mobility of trace and potentially harmful elements in the environment from high sulfur India coal mines (**Ranked 17th**).

Fellow/Member of Professional Societies

Fellow in Professional Societies and Academies

- Fellow of Royal Society of Chemistry, London (FRSC)
- Fellow of the International Congress of Chemistry &Environment (FICCE)
- Fellow of Indian Council of Chemists (FICC) [1656/2014]
- Fellow of the International Congress of Chemistry & Environment (FICCE) [2011]
- Fellow of the Indian Chemical Society [1659/2022]

Membership in Professional Societies and Academies

- Member of the National Academy of Science, India. 2014
- Member of Royal Society of Chemists, UK [2013]
- Member of Editorial Board World Research Journal of Medicinal & Aromatic Plants [2013]
- Member of Advisory Board Member of the Journal of Environment Science and Technology [2012]
- Member of International Biochar Society [2013]
- Life member of National Environmental Science Academy, New Delhi [2011] [LM 1573]
- Life Member of the Indian Science Congress Association (ISCA)
- Life Member of Association of Air Pollution Control (AAPC), New Delhi
- Life member of the Indian Institute of Mineral Engineers [2010]
- Senior Member of Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES).[2010]
- Vice president of Indian Society of Soil Science, Lucknow Chapter.

Editorship in Journals

- Member of Editorial Board of Frontier in Traditional Medicines [**ISSN:** 2296-858]
- Member of the young Editorial Board of Journal Biochar [**ISSN** :2524-7867] [**Springer**]
- Member of the young Editorial Board of Journal Carbon research [**Springer**] [**ISSN** :2731-6696]
- Associate-Editor in Bioinfor, Publications, An International journal of Agricultural Science [**ISSN** :0976-5670] [Since 2016]
- Editor in book proposal Biochar-based nanocomposites for Contaminant Management" and subtitled "Synthesis, Contaminants Removal, and Environmental Sustainability," the Springer/IEREK series, Advances in Science, Technology, and Innovation (ASTI)
- Editor of a Book proposal on nanotechnology and nanomaterials in the food Industries: Smart nano architectures, Technologies, Challenges and applications [Elsevier]
- Member of the Board and Advisory Committee of International Biochar Initiatives (IBI), USA. [2013]

Publications

1. Ranu Yadav, **Puja Khare***, 2023, Dissipation kinetics of chlorpyrifos and 3,5,6 trichloro-2-pyridinol under vegetation of different aromatic grasses: Linkage with enzyme kinetics and microbial community of soil, Journal of Hazardous Materials, 448, 130960, [**IF: 14.22**].

2. Arif Jamal Siddiqui; Nisha Kumari; Mohd Adnan; Sanjeev Kumar; Abdelmushin Abdelgadir; Juhi Saxena; Riadh Badraoui; Mejdi Snoussi; Puja Khare; Ritu SinghImpregnation of Modified Magnetic Nanoparticles on Low-Cost Agro-Waste-Derived Biochar for Enhanced Removal of Pharmaceutically Active Compounds: Performance Evaluation and Optimization Using Response Surface Methodology (2023-04-27), Water 2023, 15, 9, 1688 [**IF: 3.628**]

3. Arup Borgohain, Mridushmita Sarmah, Bidyot Bikash Gogoi, Kaberijyoti Konwar, Jyotirekha G. Handique, Ranjit Kumar Paul, Md . Yeasin , Versha Pandey, Ranu Yadav, Harisadhan Malakar, Jiban Saikia, Diganta Deka, Feroze Hasan Rahman, Saumik Panja, **Puja Khare**, Tanmoy Karak, 2023 Can tea pruning litter biochar be a friend or foe for tea plants (*Camellia sinensis* L.) growth and regulators?: Feasible or fumes of fancy. 116394 [**IF: 6.449**]

4. Versha Pandey , Ranu Yadav , Anupama Singh, Disha Mishra, Karuna Shanker, Saudan Singh , Puja Khare. 2023, Differential behaviour of four genotypes of *Andrographis paniculata* (Burm.f.) Nees toward combined toxicity of As, Cd, and Pb: An ionomics and metabolic interpretation. Journal of Hazardous Materials Advances, 10, 100274

5. M. Sarmah, A.Borgohain, B. Bikash Gogoi, Md Yeasin , R. K. Paul , H.Malakar , J. G. Handique , J. Saikia , D. Deka , **Puja Khare**, T. Karak Insights into the effects of tea pruning litter biochar on major micronutrients (Cu, Mn, and Zn) pathway from soil to tea plant: An environmental armour, Journal of Hazardous Material, 442, 2022 [**IF: 14.4**].

6. M. Singh, Mohd Ahsan, V. Pandey, A. Singh, D. Mishra, N. Tiwari, P. Singh, T. Karak, **Puja Khare***, 2022, Comparative assessment for removal of anionic dye from water by different waste-derived biochar vis a vis reusability of generated sludge, Biochar 4 (1), 1-17, [**IF: 11.45**].

7. M, Ahsan, M.Singh, R. P. Singh, V. Yadav, S Tandon, B. K Saikia, T. Karak, **Puja Khare*,** 2022, An innovative circular model for recycling the wastes into biochar using distillation units, Journal of Cleaner Production, 132258 [**IF: 11.07**].

8. V. Pandey, D. Mishra, R. Yadav, A. Siddiqui, C. Hiremath, B. Kumar, K. Shanker, A. K. Singh, S. Singh, **Puja Khare,*** Phyto-exclusion of Pb and Cd by different genotypes of *Andrographis paniculata* (Burm. F.) nees: A novel approach for safe cultivation, Industrial Crops & Products
191, 115977, 2023 [**IF: 6.449**].

9. R. Pandey, D. Mani, K. Shanker, D. U. Bawankule, D. Chanda, R. K. Lal, A. Pal, **Puja Khare**, N. Kumar, Towards the development of phytoextract based healthy ageing cognitive booster formulation, explored through *Caenorhabditis elegans* model, The Nucleus, 2022.

10. A.Kumar, N.Verma , Nilofer, P. Kaur, D. Kumar, D.Ghosh , A. Singh, A.Siddiqui , N.Kumar , A. K. Singh, **Puja Khare**, S. Singh, Physiological and chemical changes induced by transparent polythene + green net shed on *Pelargonium graveolens* L. mother plants during monsoon season, Industrial Crops & Products, 188, 115686 2022 [**IF: 6.449**].

11. S. A. Ali, S. Bommaraju, J. Patwa, Puja Khare, M. Rachamalla, S.Niyogi, & A. Kumar Datusalia Melatonin Attenuates Extracellular Matrix Accumulation and Cardiac Injury Manifested by Copper**,** Biological Trace Element Research, 11 2022 [**IF: 4.08**]

12. R.Tiwari, A. Kumar, K. Shanker, **Puja Khare** , M. Dhobi , V. Kalaiselvan, R. S. Raghuvanshi , Quality control assessment of *Aegle marmelos* (L.) Correa: A combined approach using high-performance thin-layer chromatography, heavy metal, pesticide and aflatoxin analysis, Journal of Applied Research on Medicinal and Aromatic Plants, 31, 100432, 2022 [**IF: 3.945**].

13. D. Kumar, V. K. Singh, N. P. Yadav, S. T., K. S., C. S. Chanotiya, N. Kumar, **Puja Khare**, A. Pal, D. Chanda, D. Saikia, Green and proficient process for industrial scale preparation of *Gymnema sylvestre* standardized -extract enriched with Gymnemic acids through polymer -matrix-adsorption to reduce hyperglycemia, Journal of Industrial and Engineering Chemistry, 2022 [**IF: 6.76**].

14. M Saikia, A Singh, A Dihingia, **Puja Khare**, J Kalita, BK Saikia, 2022, Scalable production, cell toxicity assessment, and plant growth promotion activities of carbon quantum dots derived from low-quality coal feedstock, Chemical Engineering Journal 433, 133633 [**IF: 16.74**].

15. S Jain, R Yadav, D Mishra, M Singh, **Puja Khare***, Sustainable phytoremediation of highly acidic mine spoil through economical valuable crop *Pelargonium graveolens* L, 2022, Environmental Progress & Sustainable Energy, e13920 [**IF: 2.82**].

16. Y Srivastava, A Kumar, **Puja Khare***, AK Singh, S Singh, 2022, Variation in morphophysiological responses and differential expression of sennoside biosynthesis pathway genes under water stress in *Cassia angustifolia* Vahl, Industrial Crops and Products 184, 115047 [**IF: 6.44**].

17. P Tripathi, A Tripathi, A Singh, V Yadav, K Shanker, **Puja Khare***, A Kalra, 2022, Differential response of two endophytic bacterial strains inoculation on biochemical and physiological parameters of *Bacopa monnieri* L. under arsenic stress conditions, Journal of Hazardous Materials Advances 6, 100055.

18. A Sharma, **Puja Khare**, N Singh, S Tiwari, DM Chate, R Kumar, 2022, Anthropogenic aerosols in precipitation over the Indo-Gangetic basin, Environmental Geochemistry and Health, 1-20. [**IF: 4.89**]

19. A. Borgohain, M. Sarmah, K.Konwar, R. Gogoi, B. Bikash Gogoi, **Puja Khare**, R. K. Paul, J. G Handique, H. Malakar, D. Deka, J. Saikia, T.Karak, 2022, Tea pruning litter biochar amendment in soil reduces arsenic, cadmium, and chromium in made tea (*Camellia sinensis* L.) and tea infusion: A safe drink for tea consumers, Food chemistry: X 13, 100255. [**IF 6.44**].

20. RK Srivastava, AK Singh, RP Bansal, A Pal, **Puja Khare**, RS Sharma, 2022, Innovative technique for management of offered floral bio-resources for protecting the environment and generating additional livelihood opportunities for women, International Journal of Environmental Science and Technology, 1-10, [**IF: 3.51**].

21. RP Singh, M Ahsan, D Mishra, V Pandey, A Yadav, **Puja Khare***, 2022, Ameliorative effects of biochar on persistency, dissipation, and toxicity of atrazine in three contrasting soils, Journal of Environmental Management 303, 114146. [**IF: 8.91**].

22. P. Tripathi, R. Yadav, P. Das, A. Singh, R. P. Singh, P. Kandasamy, A. Kalra, **Puja Khare*,** 2021, Endophytic bacterium CIMAP-A7 mediated amelioration of atrazine induced phyto-toxicity in *Andrographis paniculata*, Environmental Pollution 287, 117635 [**IF: 9.98**].

23. D Mishra, R Yadav, RP Singh, A Taneja, R Tiwari, **Puja Khare*,** 2021, The incorporation of lemongrass oil into chitosan-nanocellulose composite for bioaerosol reduction in indoor air.Environmental Pollution 285, 117407. [**IF: 9.98**]

24. D. Mishra, **Puja Khare***, D. K. Singh, V.Yadav, S. Luqman, PV Ajaya Kumar, K. Shanker, 2021, Synthesis of Ocimum extract encapsulated cellulose nanofiber/chitosan composite for improved antioxidant and antibacterial activities, Carbohydrate Polymer Technologies and Applications 2, 100152.

25. P. Singh, V. Yadav, Y. Deshmukh, P. Das, R. P. Singh, N. Bano, M. Kumar, A. K. Shukla, A.Krishna, **Puja Khare*,** 2021, Decoding the link between bacterial diversity and enzymatic activities of soil from *Cymbopogon flexuosus* growing dryland, Applied Soil Ecology 168, 104150 [**IF: 5.50**].

26. HM Singh, VV Tyagi, R Kothari, R Azam, **Puja Khare**, 2021, A novel approach for harvesting of microalgal biomass using electric geyser waste material deposit as flocculant in coupling with poultry excreta leachate, Bioresource Technology 341, 125646. [**IF: 11.88**] .

27. BB Gogoi, A Borgohain, K Konwar, JG Handique, RK Paul, **Puja Khare**, H Malakar, J Saikia, T Karak, 2021, National highway induced selected chemical properties of soils across tea bowl of India: scale and assessment, International Journal of Environmental Science and Technology, 1-20. [**IF: 3.51**] .

28. P. Tripathi, R. P. Singh, S. Srivastava, B Shivanna, A. K.r Singh, S. Singh, **Puja Khare*,** 2021, Quantifying the boron demand of *Pelargonium graveolens* for optimum biomass yield and quality of essential oil under field conditions, Journal of Plant Nutrition 45 (2), 218-231 [**IF: 2.27**] .

29. Anupama, **Puja Khare***, 2021, A comprehensive evaluation of inherent properties and applications of nano-biochar prepared from different methods and feedstocks, Journal of Cleaner Production 320. [**IF: 11.07**].

30. N. Nigam, **Puja Khare***, Mohd Ahsan, V. Yadav, K. Shanker, R. P. Singh, V. Pandey, P. Das, R. Yadav, P. Tripathi, G. G. Sinam, A. K. Shukla, T. Karak, 2021, Biochar amendment reduced the risk associated with metal uptake and improved metabolite content in medicinal herbs. Physiologia Plantarum 173 (1), 321-339 [**IF: 5.08**] .

31. M. Mall, P.Singh, R. K., K.Shanker, A. K Gupta, **Puja Khare**, A. K. Shasany, S. Khatoon, V. Sundaresan, K Baskaran, S. Yadav, A. K Shukla, 2021, Phenotypic, genetic and expression profiling of a vindoline-rich genotype of *Catharanthus roseus* South African Journal of Botany 139, 50-5. [**IF: 3.11**].

32. I Gaur, P Gaur, P Gautam, N Tiwari, P Khare, S Tripathi, K Shanker, 2021, Simplified process of candidate certified reference material development for the analysis of Andrographis paniculata derived therapeutics, Microchemical Journal 165, 106140. [**IF 5.30**].

33. D. Kumar, R. Kumar, A. K. Singh, K. Verma, K. P. Singh, A. Kumar, V. Singh, P. Kaur, A.Singh, TM Anandakumar, **Puja Khare**, S. Singh, 202, 1A novel and economically viable agro-technique for enhancing productivity and resource use efficiency in menthol mint (*Mentha arvensis* L.). Industrial Crops and Products 162, 113233. [**IF: 6.44**] .

34. P. Das, **Puja Khare***, R. P.S., V.Yadav, P. Tripathi, A. Kumar, V. Pandey, P. Gaur, A. Singh, R. Das, C. Hiremath, A. K. Verma, A. K Shukla, K.Shanker, 2021, Arsenic-induced differential expression of oxidative stress and secondary metabolite content in two genotypes of *Andrographis paniculata*, Journal of Hazardous Materials 406, 124302. [**IF:14.22**] .

35. **Puja Khare***, Y Deshmukh, V Yadav, V Pandey, A Singh, K Verma, 2021, Biochar production: A sustainable solution for crop residue burning and related environmental issues, Environmental Progress & Sustainable Energy 40 (2), e13529, [**IF: 2.82**] .

36. K.Verma, K. P. Singh, A. Singh, N. B. Lothe, D. Kumar, A. K. Singh, R. Kumar, **Puja Khare**, S. Singh, 2021, Co-cultivation of a medicinal plant kalmegh [*Andrographis paniculata* (Burm. F.) Wall ex. Nees] with food crops for enhancing field productivity and resource use efficiency, Industrial Crops and Products 159, 113076, 2021 [**IF: 6.44**] .

37. S. Jain, **Puja Khare***, D. Mishra, K.Shanker, P. Singh, R. Pratap Singh, P. Das, R. Yadav, B. K Saikia, B.P. Baruah, 2020, Biochar aided aromatic grass [*Cymbopogon martini* (Roxb.) Wats.] vegetation: A sustainable method for stabilization of highly acidic mine waste, Journal of Hazardous Materials 390, 121799. [**IF: 14.22**].

38. A. Borgohain, K. Konwar, D. Buragohain, S.Varghese, A. K.Dutta, R. K. Paul, **Puja Khare**, T. Karak, 2020, Temperature effect on biochar produced from tea (*Camellia sinensis* L.) pruning litters: A comprehensive treatise on physico-chemical and statistical approaches, Bioresource Technology 318, 124023. [**IF: 11.88**].

39. H Rohra, AS Pipal, R Tiwari, P Vats, J Masih, **Puja Khare**, A Taneja, 2020, Particle size dynamics and risk implication of atmospheric aerosols in South-Asian subcontinent, Chemosphere 249, 126140. [**IF: 8.94**].

40. P. Tripathi, **Puja Khare**, D. Barnawal, K. Shanker, P. K Srivastava, R. D Tripathi, Alok Kalra, 2020, Bioremediation of arsenic by soil methylating fungi: role of *Humicola sp*. strain 2WS1 in amelioration of arsenic phytotoxicity in *Bacopa monnieri* L, Science of the Total Environment 716, 136758. [**IF: 10.75**].

41. T.Barman, A.K. Barooah, B.C. Goswami, N. Sharma, S. Panja, **Puja Khare**, T. Karak, 2020, Contents of chromium and arsenic in tea (*Camellia sinensis* L.): extent of transfer into tea infusion and health consequence, Biological Trace Element Research 196 (1), 318-329. [**IF: 4.08**].

42. J. Kaur, V. Anand, S. Srivastava, V. Bist, P. Tripathi, M. Naseem, S.Nand, **Puja Khare**, P.K. Srivastava, S. Bisht, S.Srivastava, 2020, Yeast strain *Debaryomyces hansenii* for amelioration of arsenic stress in rice, Ecotoxicology and Environmental Safety 195, 110480. [**IF: 7.12**].

43. N Islam, A Dihingia, **Puja Khare**, BK Saikia, 2020, Atmospheric particulate matters in an Indian urban area: Health implications from potentially hazardous elements, cytotoxicity, and genotoxicity studies, Journal of Hazardous Materials 384, 121472. [**IF: 14.22**].

44. D. Kumar, R. Kumar, A. K. Singh, K.Verma, K. P. Singh, A. Kumar, Nilofer, P. Kaur, A.Singh, J. Pandey, **Puja Khare**, S. Singh, 2020, Influence of Planting Methods on Production of Suckers (Rhizome or Propagative Material), Essential Oil Yield, and Quality of Menthol Mint (*Mentha arvensis* L.), Int. J. Curr. Microbiol. App. Sci 9 (7), 3675-3689.

45. A. K Gupta, A.K Shukla, Pooja Singh, M. Mall, S. Yadav, AK Shasany, K Shanker, K Baskaran, V Sundaresan, M Talha, A Srivastava, S Gupta, **Puja Khare**, DN Mani, A Samad, 2020, CIM-Sushil: a high vindoline yielding variety of *Catharanthus roseus* (L.) G. Don., J Med Aromat Plant Sci 42, 51-63.

46. N Nigam, V Yadav, D Mishra, T Karak, **Puja Khare***, 2019**,** Biochar amendment alters the relation between the Pb distribution and biological activities in soil, International Journal of Environmental Science and Technology 16 (12), 8595-8606. [**IF: 3.51**].

47. N Nigam, V Yadav, **Puja Khare***, RP Singh, P Das, K Shanker, RS Sharma, 2019, Exploring the benefits of biochar over other organic amendments for reducing of metal toxicity in *Withania somnifera*, Biochar 1 (3), 293-307. [**IF: 11.45**] .

48. D Mishra, A Singh, D Chanda, K Shanker, **Puja Khare***, 2019, Potential of di-aldehyde cellulose for sustained release of oxytetracycline: A pharmacokinetic study, International journal of biological macromolecules 136, 97-105, [**IF: 8.02**].

49. V Yadav, S Jain, P Mishra, **Puja Khare***, AK Shukla, T Karak, AK Singh, 2019, Amelioration in nutrient mineralization and microbial activities of sandy loam soil by short-term field aged biochar, Applied Soil Ecology 138, 144-155, [**IF: 5.50**] .

50. K.Bora, D. Sarkar, K. Konwar, B. Payeng, K. Sood, R. K.Paul, R. Datta, S. Das, **Puja Khare**, T.Karak, 2019, Disentanglement of the secrets of aluminium in acidophilic tea plant (*Camellia sinensis* L.) influenced by organic and inorganic amendments. Food Research International 120, 851-864, [**IF: 7.42**].

51. N. Nigam, **Puja Khare***, V. Yadav, D. Mishra, S. Jain, T. Karak, S. Panja, S. Tandon 2019, Biochar-mediated sequestration of Pb and Cd leads to enhanced productivity in *Mentha arvensis*, Ecotoxicology and Environmental Safety 172, 411-422, [**IF: 7.12**] .

52. **Puja Khare***, S Srivastava, N Nigam, AK Singh, S Singh, Impact of essential oils of *E. citriodora*, *O. basilicum* and *M. arvensis* on three different weeds and soil microbial activities, Environmental Technology & Innovation 14, 100343 [**IF: 7.75**].

53. V Yadav, T Karak, S Singh, AK Singh, **Puja Khare***, 2019, Benefits of biochar over other organic amendments: responses for plant productivity (*Pelargonium graveolens* L.) and nitrogen and phosphorus losses, Industrial Crops and Products 131, 96-105, [**IF: 6.64**].

54. T. Barman, AK Barooah, BC Goswami, N. Sharma, S. Panja, **Puja Khare**, T. Karak 2019, Extent of Transfer into Tea Infusion and Health Consequence, Biological Trace Elements Research, [**IF: 4.08**] .

55. V. Yadav, **Puja Khare***, Y. Deshmukh, K. Shanker, N. Nigam, T. Karak, 2018, Performance of biochar derived from *Cymbopogon winterianus* waste at two temperatures on soil properties and growth of *Bacopa monneri* , Communications in Soil Science and Plant Analysis 49 (22), 2741-2764, [**IF: 1.58**] .

56. Nilofer, A.K. Singh, D. Kumar, P. Kaur, A. Kumar, A. Singh, **Puja Khare***, S S Singh, 2018, A novel method for survival of rose-scented geranium (*Pelargonium graveolens* L.) mother plants under extreme climatic conditions, Industrial Crops and Products 126, 227-237 [**IF: 6.42**].

57. N. Nigam, K. Shanker, **Puja Khare***, 2018, Valorisation of residue of Mentha arvensis by pyrolysis: evaluation of agronomic and environmental benefits, Waste and Biomass Valorization 9 (10), 1909-1919, [**IF: 3.44**] .

58. M. Dutta, **Puja Khare**, S. Chakravarty, D. Saikia, B.K. Saikia, 2018, Physico-chemical and elemental investigation of aqueous leaching of high sulfur coal and mine overburden from Ledo coalfield of Northeast India, International Journal of Coal Science & Technology 5 (3), 265-281 [**IF: 3.82**].

59. H. Rohra, R. Tiwari, **Puja Khare**, A. Taneja, 2018, Indoor-outdoor association of particulate matter and bounded elemental composition within coarse, quasi-accumulation and quasi-ultrafine ranges in residential areas of northern India, Science of the Total Environment 631, 1383-1397 [**IF: 10.75**].

60. T. Karak, O. Abollino, R. K. Paul, A. K. Dutta, A. Giacomino, **Puja Khare**, R. K. Boruah 2018, Achievability of municipal solid waste compost for tea cultivation with special reference to cadmium, CLEAN–Soil, Air, Water 46 (6), 1800093 [**IF 2.40**] .

61. P. Prasad, J. Mehdi, R. Mohan, N. Goyal, S. Luqman, **Puja Khare**, B. Kumar, 2018, Effect of potassium chloride-induced stress on germination potential of Artemisia annua L. varieties, Journal of applied research on medicinal and aromatic plants 9, 110-116 [**IF: 3.94**].

62. D. Mishra, **Puja Khare***, D. K. Singh, S. Luqman, PV Ajaya Kumar, A. Yadav, T. Das, B.K. Saikia

Retention of antibacterial and antioxidant properties of lemongrass oil loaded on cellulose nanofibre-poly ethylene glycol composite, Industrial Crops and Products 114, 68-80, 2018 [**IF: 6.42**].

63. S. Rabha, J. Saikia, KSV Subramanyam, J. C Hower, M. M. Hood, **Puja Khare**, B. K. Saikia, 2018, Geochemistry and nanomineralogy of feed coals and their coal combustion residues from two different coal-based industries in northeast India, Energy & Fuels 32 (3), 3697-3708 [**IF: 6.3**].

64. D. Mishra, **Puja Khare***, M.R. Das, S. Mohanty, D.U.Bawankule, PVA Kumar, 2018, Characterization of crystalline cellulose extracted from distilled waste of *cymbopogon winterianus*, Cellulose Chem. Technol 52 (9-2), 9-17 [**IF: 1.387**] .

65. S. Jain, A. Singh, **Puja Khare***, D. Chanda, D. Mishra, K. Shanker, T. Karak, 2017, Toxicity assessment of Bacopa monnieri L. grown in biochar amended extremely acidic coal mine spoils, Ecological Engineering 108, 211-219 [**IF: 4.379**]

66. J. Saikia, **Puja Khare**, P. Saikia, B.K. Saikia, 2017, Polycyclic aromatic hydrocarbons (PAHs) around tea processing industries using high-sulfur coals, Environmental geochemistry and health 39 (5), 1101-1116 [**IF: 4.898**] .

67. T. Karak, K. Bora, R.K. Paul, S. Das, **Puja Khare**, A.K. Dutta, R.K. Boruah, 2017, Paradigm shift of contamination risk of six heavy metals in tea (*Camellia sinensis* L.) growing soil: A new approach influenced by inorganic and organic amendments, Journal of hazardous materials 338, 250-264 [**IF: 14.225**] .

68. **Puja Khare***, U. Dilshad, P.K .Rout, V. Yadav, S. Jain, 2017, Plant refuses driven biochar: Application as metal adsorbent from acidic solutions, Arabian Journal of Chemistry 10, S3054-S3063 [**IF: 6.212**] .

69. T. Karak, F.R. Kutu, R.K. Paul, K. Bora, D.K. Das, **Puja Khare**, K. Das, A.K. Dutta, R.K. Boruah, 2017, Co-composting of cow dung, municipal solid waste, roadside pond sediment and tannery sludge: role of human hair, International Journal of Environmental Science and Technology 14 (3), 577-594 [**IF: 3.519**] .

70. T.Karak, R. K. Paul, F. R. Kutu, A. Mehra, **Puja Khare**, A.K.Dutta, K. Bora, R. K. Boruah. 2017, Comparative assessment of copper, iron, and zinc contents in selected Indian (Assam) and south African (thohoyandou) tea (*Camellia sinensis L.*) samples and their infusion: A quest for health risks to consumer, Biological trace element research 175 (2), 475-487 [**IF: 4.081**] .

71. Jyotsana, **Puja Khare**, K. Shanker, 2016, Mangiferin: A review of sources and interventions for biological activities, BioFactors 42 (5), 504-514, [**IF 6.438**] .

72. D. Mishra, V. Yadav, **Puja Khare***, M. R. Das, A. Meena, K .Shanker, 2016, Development of crystalline cellulosic fibres for sustained release of drug Current Topics in Medicinal Chemistry 16 (18), 2026-2035 [**IF: 3.570**].

73. K. Shanker, **Puja Khare**, N. Tiwari, S. Mohanty, D. U. Bawankule, A. Pal, 2016, Synthesis of Gold Mediated Biocompatible Nanocomposite of Lactone Enriched Fraction from Sahadevi (*Vernonia cinerea* Lees): An Assessment of Antimalarial Potential.Current Topics in Medicinal Chemistry 16 (18), 2043-2050 [**IF: 3.570**] .

74. Y. Deshmukh, **Puja Khare**, D. Patra, 2016, Rhizobacteria elevate principal basmati aroma compound accumulation in rice variety, Rhizosphere 1, 53-57 [**IF: 3.477**] .

75. D. Mishra, **Puja Khare***, K. Shanker, D.K .Singh, S. Luqman, 2016, Controlled delivery systems of cellulose matrix for oxytetracycline: In vitro dissolution, New Horizons in Translational Medicine 3 (2), 66-72.

76. V Yadav, P. Shrivastava, Y. Deshmukh, K. Shanker, **Puja Khare***, 2016, Evaluation of solid phase extraction efficiency of functionalized biochar for polyphenols from *Punica granatum*,Asia-Pacific Journal of Chemical Engineering 11 (2), 200-208 [**IF: 1.777**] .

77. S. Jain, D. Mishra, **Puja Khare***, V. Yadav, Y. Deshmukh, A. Meena, 2016, Impact of biochar amendment on enzymatic resilience properties of mine spoils, Science of the Total Environment 544, 410-421 [**IF: 10.753**] .

78. Y. Deshmukh, **Puja Khare**, A.B. Nadaf, D. Patra, 2016, Discrimination between 2AP producing and non-producing rice rhizobacterial isolates using volatile profiling: a chemometric approach, Journal of Chemometrics 29 (12), 648-658 [**IF: 2.50**] .

79. Y. Deshmukh, V. Yadav, N. Nigam, A. Yadav, **Puja Khare***, 2015, Quality of bio-oil by pyrolysis of distilled spent of *Cymbopogon flexuosus*,Journal of Analytical and Applied Pyrolysis 115, 43-50 [**IF: 6.437**] .

80. P.K. Rout, Y.R. Rao, O. Prakash, **Puja Khare,** 2015,Adsorptive recovery of high value essential oil from kewda (*Pandanus fascicularis* Lam) distillation condensate, Asia-Pacific Journal of Chemical Engineering 10 (5), 659-669, [**IF: 1.777**] .

81. N. Hussain, P. Gogoi, **Puja Khare**, M.R. Das, 2015, Nickel nanoparticles supported on reduced graphene oxide sheets: a phosphine free, magnetically recoverable and cost effective catalyst for Sonogashira cross-coupling reactions, RSC advances 5 (125), 103105-103115, [**IF: 4.036**] .

82. Y. Deshmukh, **Puja Khare**, D.D. Patra, A.B. Nadaf, 2014, HS-SPME-GC-FID method for detection and quantification of *Bacillus cereus* ATCC 10702 mediated 2-acetyl-1-pyrroline, Biotechnology Progress 30 (6), 1356-1363 [**IF: 2.909**] .

83. S. Jain, B.P. Baruah, **Puja Khare***, 2014, Kinetic leaching of high sulphur mine rejects amended with biochar: buffering implication, Ecological Engineering 71, 703-709, [**IF: 4.379**] .

84. A. Sharma, A. Saikia, **Puja Khare**, B.P .Baruah, 2014, Genesis of some tertiary Indian coals from the chemical composition of ash–a statistical approach: Part 1, Journal of Earth System Science 123 (7), 1705-1715 [**IF: 1.912**] .

85. A. Sharma, A. Saikia, **Puja Khare**, D.K. Dutta, B.P. Baruah, 2014,The chemical composition of tertiary Indian coal ash and its combustion behaviour–a statistical approach: Part 2, Journal of earth system science 123 (6), 1439-1449, [**IF: 1.912**] .

86. **Puja Khare***, B.P. Baruah, 2014, Thermogravimetric analysis of perhydrous Indian coals Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 36, 7 [**IF: 2.11**] .

87. **Puja Khare***, M. Sarmah, B.P Baruah, 2014, Chemometric application for thermal behavior of blends of bamboo with solid fossil fuel, Environmental Progress & Sustainable Energy 33 (1), 315-321 [**IF: 2.824**].

88. **Puja Khare***, M. Sarmah, T. Das, O.P. Sahu, B.P. Baruah, 2013, Emission profile and predictive model for high sulfur low rank coals used in carbonization and combustion units.Environmental Progress & Sustainable Energy 32 (4), 1284-1295 [**IF: 2.824**] .

89. V. Yadav, B.P. Baruah, **Puja Khare***, 2013, Comparative study of thermal properties of bio-coal from aromatic spent with low rank sub-bituminous coals, Bioresource Technology 137, 376-385 [**IF: 11.889**] .

90. B.K. Saikia, M. Sarmah, **Puja Khare**, B.P. Baruah, Investigation on inorganic constituents in Indian coal and emission characteristics of the particulates ($PM_{2.5}$ and PM_{10}), Energy Exploration & Exploitation 31 (2), 287-

315,2013, [**IF: 2.500**] .

91. **Puja Khare***, D.K. Goyal, Effect of high and low rank char on soil quality and carbon sequestration, Ecological Engineering 52, 161-166, 2013, [**IF: 4.379**] .

92. M. Sarmah, B.P. Baruah, **Puja Khare***, 2013, A comparison between CO_2 capturing capacities of fly ash based composites of MEA/DMA and DEA/DMA, Fuel Processing Technology 106, 490-497 [**IF: 8.129**] .

93. A.K. Chaturvedi, A.S. Negi, **Puja Khare***, 2013, A simple and straightforward synthesis of substituted 2-arylbenzimidazoles over silica gel, RSC Advances 3 (14), 4500-4504 [**IF: 4.036**] .

94. M. Sarmah, **Puja Khare***, B.P. Baruah, 2012, Gaseous emissions during the coal mining activity and neutralizing capacity of ammonium, Water, Air, & Soil Pollution 223 (8), 4795-4800 [**IF: 2.984**] .

95. **Puja Khare***, B.P. Baruah, P.G. Rao, 2011, Application of chemometrics to study the kinetics of coal pyrolysis: a novel approach, Fuel 90 (11), 3299-3305 [**IF: 8.035**] .

96. **Puja Khare***, B.P. Baruah, 2011, Estimation of emissions of SO_2, $PM_{2.5}$, and metals released from coke ovens using high sulfur coals, Environmental Progress & Sustainable Energy 30 (1), 123-129 [**IF: 2.824**] .

97. **Puja Khare**, B.P. Baruah, P.G. Rao,Water-soluble organic compounds ($WSOCM_s$) in $PM_{2.5}$ and PM_{10} at a subtropical site of India,Tellus B: Chemical and Physical Meteorology 63 (5), 990-1000,2011, [**IF: 3.406**] .

98. R. Khan, **Puja Khare**, B.P. Baruah, A.K. Hazarika, N.C. Dey, 2011, Spectroscopic, kinetic studies of polyaniline-flyash composite, Advances in chemical engineering and sciences 1, 37-44 [**IF: 1.31**] .

99. B.P. Baruah, **Puja Khare**, 2010, Mobility of trace and potentially harmful elements in the environment from high sulfur Indian coal mines, Applied Geochemistry 25 (11), 1621-1631,2010, [**IF: 3.841**] .

100. **Puja Khare***, B.P. Baruah,Chemometric analysis of trace elements distribution in raw and thermally treated high sulphur coals, Fuel Processing Technology 91 (11), 1691-1701 [**IF: 8.129**] .

101. **Puja Khare***, B.P. Baruah, 2010, Elemental characterization and source identification of PM2. 5 using multivariate analysis at the suburban site of North-East India, Atmospheric Research 98 (1), 148-162 [**IF: 5.965**] .

102. **Puja Khare***, B.P. Baruah, 2010, Structural parameters of perhydrous Indian coals, International Journal of coal preparation and utilization 30 (1), 44-67 [**IF: 2.791**] .

103. B.P. Baruah, **Puja Khare**, 2007, Pyrolysis of high sulfur Indian coals, Energy & Fuels 21 (6), 3346-3352 [**IF: 6.3**] .

104. B.P. Baruah, **Puja Khare**, 2007, Desulfurization of oxidized Indian coals with solvent extraction and alkali treatment, Energy & Fuels 21 (4), 2156-2164 [**IF: 6.3**].

105. S.P. Singh, **Puja Khare**, K.M. Kumari, S.S. Srivastava, 2006, Chemical characterization of dew at a regional representative site of North-Central India, Atmospheric Research 80 (4), 239-249 [**IF: 5.69**].

106. **Puja Khare***, A. Goel, D. Patel, J. Behari, 2004, Chemical characterization of rainwater at a developing urban habitat of Northern India, Atmospheric Research 69 (3-4), 135-145 [**IF: 5.69**].

107. D.K. Patel, **Puja Khare**, S. Behari, R. Kumar, S.P .Srivastava, 2003, Leval of metals in hair of general

population of Lucknow city, Indian Journal of Environmental Protection 23, 831-834.

108. G.S. Satsangi, A. Lakhani, **Puja Khare**, S.P. Singh, K.M. Kumari, S.S. Srivastava, 2002, Measurements of major ion concentration in settled coarse particles and aerosols at a semiarid rural site in India, Environment International 28 (1-2), 1-7 [**IF: 13.352**].

109. **Puja Khare**, S.P. Srivastava, 2002, Effect of crustal and anthropogenic emissions on the trace metals levels in rainwater of Lucknow, Indian Journal of Environmental Protection 22 (3), 271-276.

110. S.P. Singh, **Puja Khare**, G.S. Satsangi, A. Lakhani, K. Maharaj Kumari, S.S. Srivastava, 2001, Rainwater composition at a regional representative site of a semi-arid region of India.Water, Air, and Soil Pollution 127 (1), 93-108 [**IF: 2.984**].

111. S.P. Singh, G.S. Satsangi, **Puja Khare**, A. Lakhani, K.M. Kumari, S.S. Srivastava, 2001, Multiphase measurement of atmospheric ammonia, Chemosphere- 3 (1), 107-116 [**IF: 8.943**] .

112. **Puja Khare**, S.P. Singh, K. Maharaj Kumari, A. Kumar, S.S. Srivastava, 2000, Characterization of organic acids in dew collected on surrogate surfaces, Journal of Atmospheric Chemistry 37 (3), 231-244 [**IF: 3.390**].

113. **Puja Khare**, S.P .Singh, K.M. Kumari, A. Kumar, S.S. Srivastava, 2000, Formaldehyde measurement at a suburban site of north central part of India,NISCAIR-CSIR, India.

114. S.P. Singh, **Puja Khare**, G.S. Satsangi, A. Lakhani, K.M Kumari, S.S. Srivastava, 2000, Rainwater Composition at a Remote Semi Arid Site of India, Pollution Research 19 (1), 99-105 [**IF: 0.516**] .

115. **Puja Khare**, N. Kumar, K.M .Kumari, S.S. Srivastava,1999, Atmospheric formic and acetic acids: An overview. Reviews of Geophysics 37 (2), 227-248 [**IF: 24.95**] .

116. G.S. Satsangi, **Puja Khare**, A. Lakhani, K.M. Kumari, S.S. Srivastava, 1999, Dry deposition at five sites of western UP,Indian Journal of Environmental Health 41 (3), 217-228.

117. S.P. Singh, G.S. Satsangi, **Puja Khare**, A. Lakhani, K.M. Kumari, S.S .Srivastava, 1999, Dry deposition in a rural site of north India, Journal of Environmental Studies and Policy 2 (2), 143-149 [**IF: 6.4224**] .

118. G.S. Satsangi, A. Lakhani, **Puja Khare**, S.P. Singh, K.M. Kumari, S.S. Srivastava, 1998, Composition of rain-water at a semi-arid rural site in India, Atmospheric Environment 32 (21), 3783-3793, [**IF: 5.755**] .

119. G.S. Satsangi, A. Taneja, **Puja Khare**, S.P. Singh, A. Lakhani, K.M. Kumari, S.S. Srivastava, 1998, Deriving critical loads for the Agra region in India, Science of the Total Environment 222 (1-2), 119-122 [**IF: 10.753**] .

120. **Puja Khare**, N. Kumar, G.S. Satsangi, K.M. Kumari, S.S. Srivastava, 1998, Formate and acetate in particulate matter and dust fall at Dayalbagh, Agra (India), Chemosphere 36 (14), 2993-3002 [**IF: 8.943**] .

121. **Puja Khare**, G.S. Satsangi, N. Kumar, K.M. Kumari, S.S. Srivastava, 1997, HCHO, HCOOH and CH3COOH in air and rain-water at a rural tropical site in Northcentral India, Atmospheric Environment 31 (23), 3867-3875 [**IF: 5.755**] .

122. **Puja Khare**, G.S. Satsangi, N. Kumar, K.M. Kumari, S.S. Srivastava, 1997, Surface measurements of formaldehyde and formic and acetic acids at a subtropical semiarid site in India, Journal of Geophysical Research: Atmospheres 102 (D15), 18997-19005 [**IF: 5.217**]

123. **Puja Khare**, N. Kumar, G. S Satsangi, K. Maharaj Kumari, S.S. Srivastava, U.C. Kulshrestha, 1997,

Measurements of O_3 and NO_2 levels at a suburban site in Agra, Indian journal of radio and space physics,244-248 [**IF: 0.103**].

124. N. Kumar, U.C Kulshrestha, **Puja Khare**, A. Saxena, K.M. Kumari, S.S. Srivastava, 1996, Measurements of formic and acetic acid levels in the vapour phase at Dayalbagh, Agra, India, Atmospheric Environment 30 (20), 3545-3550 [**IF: 5.755**] .

125. **Puja Khare**, S. Kapoor, U.C. Kulshrestha, A. Saxena, N. Kumar, K.M. Kumari, S.S. Srivastava 1996, Variation in ionic composition of precipitation collected by sequential sampling, Environmental Technology 17 (6), 637-642 [**IF: 3.474**].

126. **Puja Khare**, U.C. Kulshrestha, A. Saxena, N. Kumar, K.M. Kumari, S.S. Srivastava, 1996, The source apportionment of particulate matter using enrichment factor and principal component analysis, Indian Journal of Environmental Health 38 (2), 86-94.

127. N. Kumar, U.C. Kulshrestha, A. Saxena, **Puja Khare**, K.M. Kumari, S.S. Srivastava, 1996, Formate and acetate levels compared in monsoon and winter rainwater at Dayalbagh, Agra (India) Journal of atmospheric chemistry 23 (1), 81-87 [**IF: 3.360**]

128. U.C. Kulshrestha, N. Kumar, A. Saxena, **Puja Khare**, K.M. Kumari, S.S. Srivastava, 1995, Chemical composition of atmospheric aerosol at three representative sites in Agra, Energy Environment Monitor 11, 179-182.

Books published

Sl. No.	Authors	Title	Year of publication	Original / Edited	Publisher & ISBN No.	No. of Pages
1.	Disha Mishra **Puja Khare**, Pardeep Singh, Mika Sillanpää	Nanotechnology and Nanomaterials in the Agri-Food Industries: Smart Nanoarchitectures, Technologies, Challenges, and Applications	2023	Editor	Elsevier USA ISBN: 978-0-323-99683-9	500
2.	Disha Mishra, Rishikesh Singh, **Puja Khare**	Biochar-based nanocomposites for Contaminant Management - Synthesis, Contaminants Removal, and Environmental Sustainability	In progress	Editor	Springer Nature ISBN: 978-3031288722	346
3.	**Puja Khare**, * Deepak goyal, vineet yadav	Bio-char from Aromatic plants waste and its Applications: A Green coal	2012	Original	LAP Lambert Academic Publishing AG& Co. KG [978-3-8465-3251-5]	100
4.	**Puja Khare*** and B P Baruah	Particulate Emissions from Coke-ovens: Emission Inventory of aerosol	2011	Original	LAP Lambert Academic Publishing AG& Co. KG [978-3844311716]	116
5.	BP Baruah and **Puja Khare**	Management and control of acid mine drainage and controls.	2010	Original	LAP Lambert Academic Publishing AG& Co. KG [ISBN 478-3-8443-0262-2]	144
6.	**Puja Khare** and Naresh Chaudary	Remote sensing and GI system in Environmental Sampling	2010	Original	LAP Lambert Academic Publishing AG& Co. KG [ISBN 978-3838363431]	288
7.	BP Baruah and **Puja Khare**	Sulphur in tertiary Indian coals.	2010	Original	LAP Lambert Academic Publishing AG& Co. KG [ISBN 978-3-8433-6441-6]	92

Book chapters published

Sl. No.	Authors	Title	Editor
1.	Puja Khare and Pramila Majumdar	Agri-waste Turns from Nuisance to asset: the Miracle of CIM-Mridashakti (**2022).** *In: Invention Intelligence (Bimonthly science and technology Magzine).* pp 61-63 **NRDC**	[Ed. Dr. Ankita Mishra]
2.	Pratibha Tripathi, Puja Khare*	Biochar-Microbe Interactions: An Integrated Mitigation Approach for Emerging Pollutant Management **(2022)**. *In: Microbial Based Land Restoration Handbook*, Volume 1, pp. 43-58 **CRC Press** **[9781003147091]**	[Eds. Umesh Pankaj and Vimal Chandra Pandey]
3.	Paurabi Das and **Puja Khare***	Agricultural waste-derived graphene and its derivatives: open the way for a sustainable environment, **(2022)**. *In: Graphene Extraction from Waste* **Elsevier** **[ISBN 9780323909143]**	[Eds. Chaudary M H, Srivastav A., Tiwary C S, Tour J M]
4.	Ahsaan M., Tripathi P., Anupama, **Puja Khare***	A relationship paradigm between biochar amendment and greenhouse gas emissions **(2021)**. *In: Advances in Chemical Pollution, Environmental Management, and Protection.* pp. 203-222 **Elsevier**	[Ed. Ajit K. Sarmah]
5.	D. Mishra, Pandey V., **Puja Khare***	Engineered Nanoparticles in Agro-ecosystems: Implications on the Soil Health **(2021)**. *In: Plant-Microbes-Engineered Nano-particles (PM-ENPs) Nexus in Agro-Ecosystems.* pp.103-118 **Springer Cham**	[Eds. Pardeep Singh; Dr. Rishikesh Singh; Dr. Pramit Verma; Dr. Rahul Bhadouria; Dr. Ajay Kumar; Dr. Mahima Kaushik]
6.	Jain S., Mishra D., **Puja Khare**	Microplastic as an Emerging Contaminant in Environment: Occurrence, Distribution, and Management Strategy, (CEC) in Environment **(2020)** *In Management of Contaminants of Emerging Concern (CEC) in Environment*. pp.281-299. **Elsevier [978-0-12-822263-8]**	[Eds. Pardeep Singh; Sanchayita Rajkhowa Chaudhery Mustansar Hussain]

7.	Mishra D., **Puja Khare**	Emerging Nano-agrochemicals for Sustainable Agriculture: Benefits, Challenges and Risk Mitigation **(2020)**. *In: Sustainable Agriculture Reviews.* pp.235-257. **Springer Cham [978-3-030-63248-9]**	[Eds. Kumar Singh, V., Singh, R., Lichtfouse, E.]
8.	Mishra D., Shanker K., **Puja Khare**	Nanocellulose-mediated fabrication of sustainable future materials **(2020)**. *In: Sustainable Nanocellulose and Nanohydrogels from Natural Sources.* pp. 217-236 **Elsevier[https://doi.org/10.1016/B978-0-12-816789-2.00010-9]**	[Eds **Dr. Faruq Mohammad, Prof. Hamad A. Al-Lohedan, Dr. Mohammad Jawaid]**
9.	Yadav V., **Puja Khare**	Impact of Pyrolysis Techniques on Biochar Characteristics: Application to Soil **(2020)**. *In: Biochar Applications in Agriculture and Environment Management.* pp.33-52 **Springer, [978-3-030-16382-2]**	[Eds Singh, J., Singh, C.]
10.	Mishra D., **Puja Khare**	Antimicrobial Nanocomposites for Improving Indoor Air Quality In Microbial Nanobionics **(2019)**. *In: Nanobiotechnology Applications in Plant Protection, Nanotechnology in the Life Sciences.* pp.253-267 **Springer,[978-3-030-16382-2]**	[Eds Prasad R]
11.	Patel A, **Puja Khare**, Patra DD	Biochar Mitigates Salinity Stress in Plants **(2017)**. *In: Plant Adaptation Strategies in Changing Environment.* pp. 153-182 **Springer, Singapore ISBN: 978-981-10-6743-3**	[Eds. Shukla, V., Kumar, S., Kumar, N.]
12.	Jain S, **Puja Khare**	Biochar: An Emerging Panacea for Contaminated and Degraded Soils **(2017).** *In: Green Technologies and Environmental Sustainability*. pp. 455-476 **Springer International Publishing [978-3-319-50653-1]**	[Eds Ritu Singh and Sanjeev Kumar]
13.	Mishra D, Shanker K, **Puja Khare**	Recent Advances in Green Sustainable Nanocellulosic Fiber: An Overview **(2017)** *In: Green Technologies and Environmental sustainability*. pp. 289-308 **[ISBN:978-3-319-50653-1]**	[Eds Singh, R., Kumar, S.]
14.	Deshmukh Y, **Khare P**	**Springer International Publishing AG,** Effect of salinity stress on growth parameters and metabolites of medicinal plant: An overview. **(2016)** In: Soil Salinity Management	[Eds. S. K. Gupta, Megh R. Goyal]

		in Agriculture Technological Advances and Applications. pp.197-234 Apple Academic Press, USA **[ISBN: 9781771884433]**	
15.	**Puja Khare***	Biomass to Bio-fuel Conversion: Role of Devolatilization, Fuel index, Ash Agglomeration [Volume-7] **(2014)**. *In: Opportunities and Challenges of the Series Energy Science & Technology*	[Eds. Ram Prasad and Sri Shivkumar]
16.	**Puja Khare***	Carbon Sequestration by Bio-char: A New Emerging Carbon Negative Approach [Volume -1] **(2014)**. *In: Opportunities and Challenges of the Series Energy Science & Technology* **Studium Press LLC, USA**	[Eds. Ram Prasad and Sri Shivkumar]
17.	**Puja Khare*** & BP Baruah	Airborne Particulate Matter: Source Apportionment and Modeling Study **(2012)**. *In: Particulate Matter: Sources, Emission Rates and Health Effects* **NOVA Publishers**	Henrik Knudsen and Niels Rasmussen [editor]
18.	Pramila Majumdar, **Puja Khare**, B P Baruah and P G Rao	Characterization of precipitation acidity during winter season at a tropical site in Assam, India **(2010)**. *In: Climate change, global warming and NE India: regional Perspectives* **ERD Foundation, Guwahati, India**	[Eds. S.K. Borthakur, R.K. Sharma, G.K. Sarmah, A.H. Barbhuiya]
19.	**Puja Khare*** and B P Baruah ,PG Rao	Effect of carbonaceous aerosol on climate **(2010)**. *In: Climate change, global warming and NE India: regional perspectives* **ERD Foundation, Guwahati, India**	[Eds. S.K. Borthakur, R.K. Sharma, G.K. Sarmah, A.H. Barbhuiya]
20.	BP Baruah, **Puja Khare***, PG Rao	Sulphate aerosols from coal-based industries **(2010)**. *In: Climate change, global warming and NE India: regional perspectives* . **ERD Foundation, Guwahati, India**	[Eds. S.K. Borthakur, R.K. Sharma, G.K. Sarmah, A.H. Barbhuiya]

Patents /Technology

Technology Transferred/Patents, If any.
Patent:**02 (team member),**
Technologies: **05 (Team Member:04 and lead developer:01)**

IPR- Patent (Filed/Granted)

Sl. No.	Names of other inventors	Title	Country	Filed on (Date)	Granted on(Date)
1.	Dinesh Kumar, Sudha Agarwal, Priyanka Singh, Anirban Pal, Puja Khare, **Karuna Shanker**, CS, Chanotiya and Alok Kalra	Polyherbal toothpaste for oral care	India	December 2017	CSIR Number allotted-022NF2017
2.	**Shanker**, **Karuna**; Srivastava, Nupur; Khare, Puja; Yadav, Anju Kumari; Jyotshna; Mishra, Sonali	Eco-friendly Clean Process for the Production of Ethyl p-methoxycinnamate from *Kaempferia galanga* Linn.	India	Application No. 201611014962 First filing date 21/07/2016	Granted [27/05/2022] No:397858