

## **Research Publications**

- Basavalingaiah, K.; Paramesh, V.; Parajuli, R.; Girisha, H.C.; Shivaprasad, M.; Vidyashree, G. V; Thoma, G.; Hanumanthappa, M.; Yogesh, G.S.; Misra, S.D. Energy flow and life cycle impact assessment of coffee-pepper production systems: An evaluation of conventional, integrated and organic farms in India. *Environ. Impact Assess. Rev.* 2022, 92, 106687.
- Basavalingaiah, K.; Ramesha, Y.M.; Paramesh, V.; Rajanna, G.A.; Jat, S.L.; Dhar Misra, S.; Kumar Gaddi, A.; Girisha, H.C.; Yogesh, G.S.; Raveesha, S.; et al. Energy Budgeting, Data Envelopment Analysis and Greenhouse Gas Emission from Rice Production System: A Case Study from Puddled Transplanted Rice and Direct-Seeded Rice System of Karnataka, India. *Sustainability* 2020, 12, 6439.
- Das, B.; Nair, B.; Arunachalam, V.; Reddy, K.V.; Venkatesh, P.; Chakraborty, D.; Desai, S. Comparative evaluation of linear and nonlinear weather-based models for coconut yield prediction in the west coast of India. *Int. J. Biometeorol.* 2020, 64, 1111–1123.
- Das, B.; Nair, B.; Reddy, V.K.; Venkatesh, P. Evaluation of multiple linear, neural network and penalised regression models for prediction of rice yield based on weather parameters for west coast of India. *Int. J. Biometeorol.* 2018, 62, 1809–1822.
- Hashim, M.; Dhar, S.; Vyas, A.K.; Paramesh, V.; Kumar, B. Integrated nutrient management in maize (*Zea mays*)-wheat (*Triticum aestivum*) cropping system. *Indian J. Agron.* 2015, 60, 352–359.
- Jinger, D.; Dhar, S.; Dass, A.; Sharma, V.K.; Paramesh, V.; Parihar, M.; Joshi, E.; Singhal, V.; Gupta, G.; Prasad, D.; et al. Co-fertilization of Silicon and Phosphorus Influences the Dry Matter Accumulation, Grain Yield, Nutrient Uptake, and Nutrient-Use Efficiencies of Aerobic Rice. *Silicon* 2021.
- Krishna, V.R.; Paramesh, V.; Arunachalam, V.; Das, B.; Elansary, H.O.; Parab, A.; Reddy, D.D.; Shashidhar, K.S.; El-Ansary, D.O.; Mahmoud, E.A. Assessment of Sustainability and Priorities for Development of Indian West Coast Region: An Application of Sustainable Livelihood Security Indicators. *Sustainability* 2020, 12, 8716.
- Kumar, B.; Dhar, S.; Paul, S.; Paramesh, V.; Dass, A.; Upadhyay, P.K.; Kumar, A.; Abdelmohsen, S.A.M.; Alkallas, F.H.; El-Abedin, T.K.Z. Microbial Biomass Carbon, Activity of Soil Enzymes, Nutrient Availability, Root Growth, and Total Biomass Production in Wheat Cultivars under Variable Irrigation and Nutrient Management. *Agronomy* 2021, 11, 669.
- Kumar, B.; Dhar, S.; Vyas, A.K.; Paramesh, V. Impact of irrigation schedules and nutrient management on growth, yield and root traits of wheat (*Triticum aestivum*) varieties. *Indian J. Agron.* 2015, 60, 87–91.
- Kumar, R.M.; Paramesh, V.; Yamanura, Y.; Rajanna, G.A. Weeds of vineyard ecosystem and their management with selected broad spectrum herbicides. *Indian J. Agric. Sci.* 2021, 91.
- Madar, R.; Singh, Y.V.; Meena, M.C.; Das, T.K.; Paramesh, V.; Al-Mana, F.A.; A Mattar, M.; O Elansary, H. Residue and potassium management strategies to improve crop productivity, potassium mobilization, and assimilation under zero-till maize–wheat cropping system. *Agriculture* 2020, 10, 401.
- Mahajan, G.R.; Manjunath, B.L.; Morajkar, S.; Desai, A.; Das, B.; Paramesh, V. Long-Term Effect of Various Organic and Inorganic Nutrient Sources on Rice Yield and Soil Quality in West Coast India Using Suitable Indexing Techniques. *Commun. Soil Sci. Plant Anal.* 2021, 1–15.
- Manjunath, B.L.; Paramesh, V.; MAHAJAN, G.R.; DAS, B.; REDDY, K.V.; CHAKURKAR, E.B.; SINGH, N.P. Sustainability through resource recycling, soil fertility and carbon sequestration from integrated farming systems in West Coast India. *The Biosacan* 2018, 13, 27–32.
- Manjunath, B.L.; Paramesh, V.; Mahajan, G.R.; Reddy, K. V; Das, B.; Singh, N.P. A five years study on the selection of rice based cropping systems in Goa, for west coast region of India. *J. Environ. Biol.* 2018, 39, 393–399.
- Paramesh, V.; Arunachalam, V.; Nikkhah, A.; Das, B.; Ghnimi, S. Optimization of energy consumption and environmental impacts of arecanut production through coupled data envelopment analysis and life cycle assessment. *J. Clean. Prod.* 2018, 203.
- Paramesh, V.; Dhar, S.; Vyas, A.K.; Dass, A. Studies on impact of phosphoenriched compost, chemical fertilizer and method of zinc application on yield, uptake and quality of maize (*Zea mays*). *Indian J. Agron.* 2014, 59, 613–618.
- Paramesh, V.; LakshmiPathy, M.; ArunKumar, P. Sustainability of environment through biodynamic agriculture. *Asian J. Environ. Sci.* 2015, 10, 50–56.
- Paramesh, V.; Ravisankar, N.; Das, B.; Reddy, K.V.; Singh, N.P. Energy Budgeting and Sensitivity Analysis of Rice (*Oryza sativa*)–Wheat (*Triticum aestivum*) Cropping System in Indogangentic Plains of India. *Int. J. Curr. Microbiol. App. Sci* 2017, 6, 1534–1544.

- Paramesh, V.; Sridhara, C.J.; Shashidhar, K.S. Effect of integrated nutrient management and planting geometry on root parameter and nutrient uptake of aerobic rice. *Agric. Updat.* 2013, 8, 217–220.
- Paramesh, V.; Sridhara, C.J.; Shashidhar, K.S.; Bhuvaneswari, S. Effect of integrated nutrient management and planting geometry on growth and yield of aerobic rice. *Int. J. Agric. Sci.* 2014, 10, 49–52.
- Paramesh, V.; Sridhara, C.J.; Shashidhar, K.S.; Sridhar, C.J. Leaf Area, Leaf Area Index and Leaf Area Duration Influenced by Integrated Nutrient Management and Planting Geometry in Aerobic Rice.
- Paramesh, V.; Sridhara, C.J.; Shashidhar, K.S.; Vinoda, K.S. Soil nutrient balance in aerobic rice as affected by integrated nutrient management and planting geometry. *J. Interacademica* 2013, 17, 441–446.
- Paramesh, V.; Arunachalam, V.; Nath, A.J. Enhancing ecosystem services and energy use efficiency under organic and conventional nutrient management system to a sustainable arecanut based cropping system. *Energy* 2019, 187, 115902.
- Paramesh, V.; Chakurkar, E.B.; Bhagat, T.; Sreekanth, G.B.; Kumar, H.B.C.; Rajkumar, S.; Gokuldas, P.P.; Mahajan, G.R.; Manohara, K.K.; Ravisankar., N. Impact of integrated farming system on residue recycling, nutrient budgeting and soil health. *Indian J. Agric. Sci.* 2020, 91, 44–48.
- Paramesh, V.; Parajuli, R.; Chakurkar, E.B.; Sreekanth, G.B.; Kumar, H.B.C.; Gokuldas, P.P.; Mahajan, G.R.; Manohara, K.K.; Viswanatha, R.K.; Ravisankar, N. Sustainability, energy budgeting, and life cycle assessment of crop-dairy-fish-poultry mixed farming system for coastal lowlands under humid tropic condition of India. *Energy* 2019, 188, 116101.
- Paramesh, V.; Singh, S.K.; Mohekar, D.S.; Arunachalam, V.; Misra, S.D.; Jat, S.L.; Kumar, P.; Nath, A.J.; Kumar, N.; Mahajan, G.R.; et al. Impact of sustainable land- use management practices on soil carbon storage and soil quality in Goa State, India. *L. Degrad. Dev.* 2021.
- Paramesh, V.; Sreekanth, G.B.; Chakurkar, E.B.; Chethan Kumar, H.B.; Gokuldas, P.; Manohara, K.K.; Ramdas Mahajan, G.; Rajkumar, R.S.; Ravisankar, N.; Panwar, A.S. Ecosystem Network Analysis in a Smallholder Integrated Crop–Livestock System for Coastal Lowland Situation in Tropical Humid Conditions of India. *Sustainability* 2020, 12, 5017.
- Rajanna, G.A.; Murali, K.; NAYAK, P.; LakshmiPathy, R.N.; GOPAKALLI, P.; Paramesh, V. Effect of different sources and time of application of organic manures on yield attributes, yield and economics of aerobic rice (*Oryza sativa*L.). *Int. J. Agric. Sci.* 2011, 7, 193–196.
- Rajkumar, S.; Nayar, R.; Rajagopal, K.; Chakurkar, E.B.; Venkatesh, V.S.; Nambiar, P.; Paramesh, V. Socio-demographic influences on various consumer food safety indices: an empirical study of ethnic Goan pork sausage consumers. *Br. Food J.* 2021.
- Singh, N.P.; Paramesh, V. Improving farmers prosperity in coastal ecosystems of india through integrated farming system. *Indian J. Agrono* 2016.
- Sridhara, S.; Ramesh, N.; Gopakkali, P.; Paramesh, V.; Tamam, N.; Abdelbacki, A.M.M.; Elansary, H.O.; El-Sabrout, A.M.; Abdelmohsen, S.A.M. Application of homobrassinolide enhances growth, yield and quality of tomato. *Saudi J. Biol. Sci.* 2021.
- Paramesh, V.; Dhar, S.; Dass, A.; Kumar, B.; Kumar, A.; ElAnsary, D.O.; Elansary, H.O. Role of Integrated Nutrient Management and Agronomic Fortification of Zinc on Yield, Nutrient Uptake and Quality of Wheat. *Sustainability* 2020, 12, 12.
- Venkatesh, L.; Policepath, A.S.; Yogeeshappa, H.; Manjunatha, B.N.; Naveen, N.E.; Paramesh, V. Maize-Lucerne Intercropping System in Transitional Tract of Karnataka. *Environ. Ecol.* 2010, 28, 1783–1786.
- Singh, Charan, **A.Raizada**and N.M.Alam (2020) Rehabilitation of old river bed lands by an intensively managed silvi-pastoral system in the north-west Himalayas. *Ind. J. Soil Cons.* 48(1): 70-79.
- Kumar, Suresh, **A. Raizada**, H. Biswas, S. Srinivas and Biswajit Mondal (2016) Application of indicators for identifying climate change vulnerable areas in semi-arid regions of India. *Ecological Indicators* 70:507-517
- Biswas, H., **A. Raizada**, D.Mandal, S. Kumar S.Srinivas and P.K.Mishra (2015) Identification of areas vulnerable to soil erosion risk in India using GIS methods *Solid Earth* 6: 1247 – 1257.
- Kumar, Suresh, **A.Raizada** and H.Biswas (2014) Prioritizing development planning in the Indian semi-arid Deccan using sustainable livelihood security index approach. *Intl. J. of Sustainable Development and World Ecology* 21(4): 332-345.
- Raizada**, A., B.N.Ghosh, J. Jayaprakash andCharan Singh (2014) Biomass production, carbon sequestration and water transmission properties as influenced by densified plantations raised on old river bed lands in the North West Himalayas. *Ind. J. Soil Cons.* 42(1): 85-97.
- Alam, N.M., **A.Raizada**, C.Jana, R.K.Meshram and N.K.Sharma (2014) Statistical modeling of extreme drought occurrence in Bellary district of eastern Karnataka. *Proc. Natl. Acad. Sci., India* (Sect B., Biological Sciences) 85(2):423-430.

- **Raizada,A.** J.Jayaprakash, A.C.Rathore and J.M.S.Tomar (2013) Distribution of fine root biomass of fruit and forest tree species raised on old river beds in the North West Himalayas. *Tropical Ecology* 54(2): 251-261.
- **Raizada, A.**and G.P.Juyal (2012) Tree species diversity, species regeneration and biological productivity of seeded *Acacia catechu*Willd. in rehabilitated limestone mines in the North West Indian Himalayas. *Land Degradation and Development* 23: 167-174.
- Faleiro JR, Hamadtu Abdel Farag El-Shafie, Allan Cameron Oehlschlager, Salah Mohammed Ahmed Aleid, and **Mahajan GR** (2022) Field evaluation of repellents against red palm weevil *Rhynchophorus ferrugineus* (Olivier) (Coleoptera: Curculionidae) through trap shutdown studies. *Journal of Plant Diseases and Protection*. Accepted for publication.
- **Mahajan GR**, Desai S, Manivannan S, Manjunath BL, Verma RR, Das B, Murgaokar D, Desai A, Morajkar S, Kulkarni RM (2021) Soil and Water Conservation Measures Improve Soil Microbial Activity and Carbon Sequestration: A Study on High Density Cashew in West Coast Region of India. *Journal of the Indian Society of Soil Science*, Vol. 69, No. 4, pp 378-388. DOI: 10.5958/0974-0228.2021.00059.1
- Kumar P, Desai AR, Arunachalam V, Gupta MJ, Paramesha V, Rajkumar SR, Maneesha SR, Sreekanth GB, **Mahajan GR**, Desai S, Shishira D, Janjal AV (2021) A conceptual framework for agro-ecotourism development for livelihood security. *Indian Journal of Agronomy* 66 (5th IAC Special issue): S184-S190.
- Paramesha V, Singh SK, Mohekar DS, Arunachalam V, Misra SD, Jat SL, Kumar P, Nath AJ, Kumar N, **Mahajan GR**, Bhagat T (2021) Impact of sustainable land-use management practices on soil carbon storage and soil quality in the Goa state of India. *Land Degradation and Development*, doi: 10.1002/ldr.4124.
- **Mahajan GR**, Das B, Morajkar S, Desai A, Murgaokar D, Patel K, Kulkarni R M (2021). Comparison of soil quality indexing methods for salt-affected soils of Indian coastal region. *Environmental Earth Sciences* (Accepted for publication).
- **Mahajan GR**, Manjunath BL, Morajkar S, Desai A, Das B, Paramesh V (2021). Long-term effect of various organic and inorganic nutrient sources on rice yield and soil quality in west coast India using suitable indexing techniques. *Communications in Soil Science and Plant Analysis*, DOI: 10.1080/00103624.2021.1900221
- Paramesh V, Chakurkar EB, Bhagat T, Sreekanth GB, Chetan Kumar HB, Rajkumar S, Gokuldas PP, **Mahajan GR**, Manohara KK, Ravishankar N (2021) Impact of integrated farming system on residue recycling, nutrient budgeting and soil health. *Indian Journal of Agricultural Sciences* 91 (1): 44–8.
- **Mahajan GR**, Das, B, Murgaokar D, Herrmann I, Berger K, Sahoo RN, Patel KP, Desai A, Morajkar S, Kulkarni RM (2021) Monitoring the foliar nutrients status of mango using spectroscopy-based novel spectral indices and PLSR-combined machine learning models. *Remote Sensing Remote Sens.* 2021, 13(4), 641; <https://doi.org/10.3390/rs13040641>.
- **Mahajan GR**, Das B, Gaikwad B, Murgaonkar D, Morajkar S, Desai A, Patel KP, Kulkarni RM (2020) Monitoring properties of the salt-affected soils by multivariate analysis of the visible and near-infrared hyperspectral data. *Catena*, 198: 105041. DOI: 10.1016/j.catena.2020.105041.
- **Mahajan GR**, Das B, Manivannan S, Manjunath BL, Verma RR, Desai S, Kulkarni RM, Latare AM, Sale R, Murgaonkar D, Patel KP, Morajkar S, Desai A, Barnes N (2020) Soil and water conservation measures improve soil carbon sequestration and soil quality under cashews. *International Journal of Sediment Research*. 36(2): 190-206. DOI: 10.1016/j.ijsrc.2020.07.009.
- **Mahajan G R**, Das B, Morajkar S, Desai A, Murgaokar D, Kulkarni R M, Sale R, Patel K (2020). Soil quality assessment of coastal salt-affected acid soils of India. *Environmental Science and Pollution Research*. Accepted for publication. DOI: 10.1007/s11356-020-09010-w.
- Paramesh V, Sreekanth GB, Chakurkar EB, Chetan Kumar HB, Gokuldas PP, Manohara KK, **Mahajan GR**, Rajkumar RS, Ravisankar N, Panwar AS (2020) Trophic network and ecosystem network analysis in a smallholder integrated crop-fish-livestock system for coastal lowland situation in tropical humid conditions of India. *Sustainability* (Accepted for publication).
- **Mahajan GR**, Pandey RN, Datta SC, Kumar D, Sahoo RN. (2019) Monitoring Wheat (*Triticum aestivum* L.) Leaf Nitrogen using Diagnostic Tools for Fertilizer Nitrogen Management. *Journal of the Indian Society of Soil Science*. 67(3):329-40.
- Das B, Manohara KK, **Mahajan GR**, Sahoo RN (2020) Spectroscopy based novel spectral indices, PCA- and PLSR-coupled machine learning models for salinity stress phenotyping of rice. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*. 229:117983. doi: 10.1016/j.saa.2019.117983.
- Paramesha V, Ranjan Parajuli, E.B. Chakurkar, G.B. Sreekanth, H.B. Chetan Kumar, P.P. Gokuldas, **Mahajan GR**, K.K. Manohara, Reddy K. Viswanatha, N. Ravisankar (2019) Sustainability, energy budgeting and life cycle assessment of crop- dairy-fish-poultry mixed farming system for coastal

lowlands under humid tropic condition of India. Energy. 188: 116101. DOI: <https://doi.org/10.1016/j.energy.2019.116101>.

- **Mahajan GR**, Pandey RN, Datta SC, Sahoo RN, Dinesh Kumar, Murgaonkar D, Patel K (2019). Predicting post-harvest soil test values in hybrid rice (*Oryza sativa L.*) – wheat (*Triticum aestivum L.*) cropping sequence using a multivariate analysis technique. *Communications in Soil Science and Plant Analysis*. Accepted for publication. 50:13, 1624-1639, DOI: [10.1080/00103624.2019.1631328](https://doi.org/10.1080/00103624.2019.1631328).
- Thombare Nandkishore, Mishra Sumit, Siddiqui MZ, Jha Usha, Singh Deodhari, **Mahajan, GR** (2018) Design and development of guar gum based novel, superabsorbent and moisture retaining hydrogels for agricultural applications. *Carbohydrate Polymers* 185: 169-178. DOI - <https://doi.org/10.1016/j.carbpol.2018.01.018>
- Manjunath B, Paramesh V, **Mahajan GR**, Reddy KV, Das B, Singh NP (2018). A five years study on the selection of rice based cropping systems in Goa for west coast region of India. *Journal of Environmental Biology*, 39: 393-399.
- Bhambure AB, **Mahajan GR**, Kerkar S (2017). Salt Tolerant Bacterial Inoculants as Promoters of Rice Growth and Microbial Activity in Coastal Saline Soil. *Proceeding of National Academy of Sciences India, Section B Biological Sciences. Published online*. 88(4): 1531-1538. DOI 10.1007/s40011-017-0901-9
- Manjunath BL, Paramesh V, **Mahajan GR**, Das B, Reddy VK, Chakurkar EB, Singh NP (2017). Sustainability through resource recycling, soil Fertility and carbon sequestration from integrated Farming systems in west coast India. *The Bioscan* 13(1): 27-32.
- Viswanatha Reddy K, Paramesh V, Singh NP, **Mahajan GR** (2017). Socio-Economic Status of Livestock Farmers of Ibrahimpur Village, North Goa District: A Benchmark Analysis. *Economic Affairs*, 62(2):1-6.
- **Mahajan GR**, Pandey RN, Sahoo RN, Gupta VK, Datta SC, Dinesh Kumar (2016). Monitoring nitrogen, phosphorus and sulphur in hybrid rice (*Oryza sativa L.*) using hyperspectral remote sensing. *Precision Agriculture*, 18(5): 736-761. DOI: 10.1007/s11119-016-9485-2.
- **Mahajan GR**, Manjunath BL, Singh NP, Ramesh R, Verma RR, Latare AM, Ruenna D'Souza, Barnes Natasha, Kulkarni R (2016). Effect of organic and inorganic sources of nutrients on soil microbial activity and soil organic carbon build up under rice in west coast of India. *Archives of Agronomy and Soil Science* 63(3): 414-426. DOI: 10.1080/03650340.2016.1213813
- Manjunath, BL, **Mahajan GR**, R Ramesh, NP Singh (2016) Effect of improved nutrient management on grain yield of rice (*Oryza sativa L.*) and soil health under organic management. *Indian Journal of Agronomy*, 61 (1): 20-27.
- **Mahajan GR**, Manjunath BL, Latare AM, D'Souza R, Vishwakarma S, Singh NP (2015) Spatial and temporal variability in microbial activities of coastal acid saline soils of Goa, India, *Solid Earth Discussions*. 7: 3087-3115, DOI:10.5194/sed-7-3087-2015.
- **Mahajan GR**, Manjunath BL, Latare AM, Ruenna D'Souza, Shashi Vishwakarma, N. P. Singh (2015) Fertility Status of the Unique Coastal Acid Saline Soils of Goa. *Journal of the Indian Society of Soil Science*. 63(2): 232-237.
- **Mahajan GR**, Manjunath BL, Latare AM, Ruenna D'Souza, Shashi Vishwakarma, N. P. Singh (2015) Microbial and Enzyme Activities and Carbon Stock in Unique Coastal Acid Saline Soils of Goa. *Proceeding of National Academy of Sciences India, Section B Biological Sciences*, 86(4): 961-971. DOI 10.1007/s40011-015-0552-7.
- **Mahajan GR**, Sahoo RN, Pandey RN, Gupta VK, Dinesh Kumar (2014). Using hyperspectral remote sensing techniques to monitor nitrogen, phosphorus, sulphur and potassium in wheat (*Triticum aestivum L.*). *Precision Agriculture*, 15(2): 227-240.
- **Mahajan GR**, Pandey RN, Datta SC, Dinesh Kumar, Sahoo RN, RajenderParsad (2014). Fertilizer nitrogen, phosphorus and sulphur prescription for aromatic hybrid rice (*Oryza sativa L.*) using targeted yield approach. *Proceedings of National Academy of Sciences of India, Section B Biological Sciences*, 84(3): 537-547.
- **Mahajan GR**, Pandey RN, Dinesh Kumar, S. C. Datta, R. N. Sahoo, RajenderParsad (2014) Development of critical values for the leaf color chart, SPAD and Fieldscout CM 1000 for fixed time adjustable nitrogen management in aromatic hybrid rice (*Oryza sativa L.*). *Communications in Soil Science and Plant Analysis* 45(14): 1877-1893.
- **Mahajan GR**, Pandey RN, Datta SC, Dinesh Kumar, Sahoo RN, RajenderParsad (2013). Soil Test Based Fertilizer Recommendation of Nitrogen, Phosphorus and Sulphur in Wheat (*Triticumaestivum L.*) in an Alluvial Soil. *International Journal of Agriculture, Environment & Biotechnology*, 6(2): 271-281.
- Rajarajan, K., Uthappa, A.R., Handa, A.K. et al. Genetic diversity and population structure of *Leucaena leucocephala* (Lam.) de Wit genotypes using molecular and morphological attributes. *Genet Resour Crop Evol* (2021). <https://doi.org/10.1007/s10722-021-01203-7>

- **Uthappa A. R.**, Manish Kumar and Bana O.P.S. 2015. Soil physico-bio-chemical properties as influenced by varying tree densities in poplar (*Populus deltoides* Bartr. ex Marsh.) based agroforestry system. *Indian Journal of Agroforestry* 17 (1): 81-90.
- **Uthappa, A.R** , Chavan, S. B., Mahendra Singh, Sridhar, K. B., Inder Dev, Asha Ram, B N Sathish, Manish Kumar, R P Dwivedi, Ramesh Singh, R K Singh, Rajendra Singh, R K Tewari, A K Handa, O P Chaturvedi. 2016. Tree diversity in ravines and their rehabilitation through agroforestry interventions in Bundelkhand Region of India. *Indian Journal of Agroforestry* 18 (1): 77-83.
- Chavan, S.B., **Uthappa, A.R.**, Sridhar, K. B., Handa, A. K., Ram Newaj, Naresh Kumar, Dhiraj Kumar, Chaturvedi, O. P., Keerthika, A. 2016. Trees for life: Creating sustainable livelihood in Bundelkhand region of central India. *Current science*, 111(6):25-2016.
- Veeresh Kumar, **Uthappa, A. R.**, Madhulika Srivastava, D. Vijay, K. M. Kumaranag, N. Manjunatha, Maneet Rana, Ram Newaj, A. K. Handa and O. P. Chaturvedi (2017). Floral biology of *Grewia flavescentis* Juss: an underutilized Crop. *Genetic Resources and Crop Evolution*, 64:1789-1795.
- Veeresh Kumar, **Uthappa, A. R.**, Madhulika Srivastava, B. Alam, A. K. Handa and O. P. Chaturvedi (2017). Incidence pattern of wood borer (*Sinoxylon anale* Lesne) on *Dalbergia sissoo* Roxb. *Range Mgmt. & Agroforestry*, 38(2): 285-288.
- Badre Alam, Rashmi Singh, **Uthappa, A.R.**, Mayank Chaturvedi, Anil Kumar Singh, Ram Newaj, A.K. Handa, O.P. Chaturvedi.2018. Different genotypes of *Dalbergia sissoo* trees modified microclimate dynamics differently on understory crop cowpea (*Vigna unguiculata*) as assessed through ecophysiological and spectral traits in agroforestry system. *Agricultural and Forest Meteorology*, 249: 138-148.
- Chaturvedi, O.P., Handa, A.K., Kaushal, R., **Uthappa, A.R.**, Sarvade, S., Panwar. P., 2016 Biomass production and carbon sequestration through agroforestry. *Range Management and Agroforestry*. 37(2):116-127.
- Veeresh kumar, S. K. Kaushik, K. Rajarajan, K. M. Kumaranag, **Uthappa, A.R.**, K. B. Sridhar, Badre Alam and A. K. Handa. 2020. Pollination biology of *Pongamia pinnata* (L.) Pierre: a potential biodiesel plant. *Genet Resour Crop Evol* (2020). <https://doi.org/10.1007/s10722-020-01010-6>
- Chavan, S.B., A. Keerthika , **Uthappa, A.R.**, Sridhar, K.B., Ram Newaj, Handa A.K. and Narendra Saroj (2017).Traditional knowledge of broom making from date palm (*Phoenix sylvestris* ROXB.) for sustainable livelihood in Madhya Pradesh, India. *Indian Forester*, 143(12): 1321-1324.
- Veeresh kumar, Kumaranag, K.M., **Uthappa, A.R.** et al. Wild bee pollination in *Grewia flavescentis* Juss.. *Int J Trop Insect Sci* (2020). <https://doi.org/10.1007/s42690-020-00294-6>
- Chavan, S.B., Chauhan, D.S., Keerthika, A., **Uthappa, A.R.** Ankur Jha, Ram Newaj.2016. Fuelwood characteristics of selected tree species from Bundelkhand region of Central India. *Ecology Environment and Conservation*. 22(supplementary):87-95.
- Ansari, M.A., Saha, S., Das, A., Lal, R., **Das, Bappa**, Choudhury, B.U., Roy, S.S., Sharma, S.K., Singh, I.M., Meitei, C.B., Changlo, K.L., Singh, L.S., Singh, N.A., Saraswat, P.K., Ramakrishna, Y., Singh, D., Hazarika, S., Punitha, P., Sandhu, S.K., Prakash, N., 2021. Energy and carbon budgeting of traditional land use change with groundnut based cropping system for environmental quality, resilient soil health and farmers income in eastern Indian Himalayas. *Journal of Environmental Management* 293, 112892. <https://doi.org/10.1016/j.jenvman.2021.112892>
- Banerjee, K., Krishnan, P., **Das, Bappa**, 2020. Thermal imaging and multivariate techniques for characterizing and screening wheat genotypes under water stress condition. *Ecological Indicators* 119, 106829. <https://doi.org/10.1016/j.ecolind.2020.106829>
- **Das, Bappa**, Manohara, K.K., Mahajan, G.R., Sahoo, R.N., 2020. Spectroscopy based novel spectral indices, PCA- and PLSR-coupled machine learning models for salinity stress phenotyping of rice. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 229, 117983. <https://doi.org/10.1016/j.saa.2019.117983>
- **Das, Bappa**, Nair, B., Arunachalam, V., Reddy, K.V., Venkatesh, P., Chakraborty, D., Desai, S., 2020. Comparative evaluation of linear and nonlinear weather-based models for coconut yield prediction in the west coast of India. *International Journal of Biometeorology* 64, 1111–1123. <https://doi.org/10.1007/s00484-020-01884-2>
- **Das, Bappa**, Sahoo, R.N., Pargal, S., Krishna, G., Verma, R., Viswanathan, C., Sehgal, V.K., Gupta, V.K., 2021. Evaluation of different water absorption bands, indices and multivariate models for water-deficit stress monitoring in rice using visible-near infrared spectroscopy. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 247, 119104. <https://doi.org/10.1016/j.saa.2020.119104>
- Krishna, V.R., Paramesh, V., Arunachalam, V., **Das, Bappa**, Elansary, H.O., Parab, A., Reddy, D.D., Shashidhar, K.S., El-Ansary, D.O., Mahmoud, E.A., El-Sheikh, M.A., 2020. Assessment of sustainability

and priorities for development of Indian west coast region: an application of sustainable livelihood security indicators. *Sustainability* 12, 8716. <https://doi.org/10.3390/su12208716>

- Kumari, S., Krishnan, N., Dubey, V., **Das, Bappa**, Pandey, K.K., Singh, J., 2021. Investigations on annual spreading of viruses infecting cucurbit crops in Uttar Pradesh State, India. *Scientific Reports* 11, 17883. <https://doi.org/10.1038/s41598-021-97232-4>
- Mahajan, G., **Das, Bappa**, Morajkar, S., Desai, A., Murgaokar, D., Kulkarni, R., Sale, R., Patel, K., 2020. Soil quality assessment of coastal salt-affected acid soils of India. *Environmental Science and Pollution Research* 27, 26221–26238. <https://doi.org/10.1007/s11356-020-09010-w>
- Mahajan, G.R., **Das, Bappa**, Gaikwad, B., Murgaonkar, D., Desai, A., Morajkar, S., Patel, K.P., Kulkarni, R.M., 2020. Monitoring properties of the salt-affected soils by multivariate analysis of the visible and near-infrared hyperspectral data. *Catena* 105041. <https://doi.org/10.1016/j.catena.2020.105041>
- Mahajan, G.R., **Das, Bappa**, Manivannan, S., Manjunath, B.L., Verma, R.R., Desai, S., Kulkarni, R.M., Latare, A.M., Sale, R., Murgaonkar, D., Patel, K.P., Morajkar, S., Desai, A., Barnes, N., Mulla, H., 2021. Soil and water conservation measures improve soil carbon sequestration and soil quality under cashews. *International Journal of Sediment Research* 36, 190–206. <https://doi.org/10.1016/j.ijsrc.2020.07.009>
- Mahajan, G.R., **Das, Bappa**, Morajkar, S., Desai, A., Murgaokar, D., Patel, K.P., Kulkarni, R.M., 2021. Comparison of soil quality indexing methods for salt-affected soils of Indian coastal region. *Environmental Earth Sciences* 80, 725. <https://doi.org/10.1007/s12665-021-09922-x>
- Mahajan, G.R., **Das, Bappa**, Murgaokar, D., Herrmann, I., Berger, K., Sahoo, R.N., Patel, K., Desai, A., Morajkar, S., Kulkarni, R.M., 2021. Monitoring the Foliar Nutrients Status of Mango Using Spectroscopy-Based Spectral Indices and PLSR-Combined Machine Learning Models. *Remote Sensing* 13, 641. <https://doi.org/10.3390/rs13040641>
- Mondal, B.P., Sahoo, R.N., Ahmed, N., Singh, R.K., **Das, Bappa**, Mridha, N., Gakhar, S., 2021. Rapid prediction of soil available sulphur using visible near-infrared reflectance spectroscopy. *Indian Journal of Agricultural Sciences* 91, 1328–1332.
- Mondal, B.P., Sekhon, B.S., Sudhukhan, R., Singh, R.K., Hasanain, M., Mridha, N., **Das, Bappa**, Chattopadhyay, A., Banerjee, K., 2020. Spatial variability assessment of soil available phosphorus using geostatistical approach. *Indian Journal of Agricultural Sciences* 90, 1170–1175. [https://doi.org/10.1007/978-3-642-23722-5\\_3](https://doi.org/10.1007/978-3-642-23722-5_3)
- Prasad, P., Loveson, V.J., **Das, Bappa**, Kotha, M., 2021. Novel ensemble machine learning models in flood susceptibility mapping. *Geocarto International* 1–23. <https://doi.org/10.1080/10106049.2021.1892209>
- Ramasamy, M., **Das, Bappa**, Ramesh, R., 2021. Predicting climate change impacts on potential worldwide distribution of fall armyworm based on CMIP6 projections. *Journal of Pest Science* <https://doi.org/10.1007/s10340-021-01411-1>
- Sah, S., Singh, R., Chaturvedi, G., **Das, Bappa**, 2021. Trends, variability, and teleconnections of long-term rainfall in the Terai region of India. *Theoretical and Applied Climatology* 143, 291–307. <https://doi.org/10.1007/s00704-020-03421-y>
- Singh, R., Sah, S., **Das, Bappa**, Chaturvedi, G., Kumar, M., Rane, J., Pathak, H., 2021. Long-term spatiotemporal trends of temperature associated with sugarcane in west India. *Arabian Journal of Geosciences* 14, 1955. <https://doi.org/10.1007/s12517-021-08315-5>
- Singh, R., Sah, S., **Das, Bappa**, Potekar, S., Chaudhary, A., Pathak, H., 2021. Innovative trend analysis of spatio-temporal variations of rainfall in India during 1901–2019. *Theoretical and Applied Climatology* 145, 821–838. <https://doi.org/10.1007/s00704-021-03657-2>
- Singh, R., Sah, S., **Das, Bappa**, Vishnoi, L., Pathak, H., 2021. Spatio-temporal trends and variability of rainfall in Maharashtra, India: Analysis of 118 years. *Theoretical and Applied Climatology* 143, 883–900. <https://doi.org/10.1007/s00704-020-03452-5>
- Singh, R.N., Sah, S., Chaturvedi, G., **Das, Bappa**, Pathak, H., 2021. Innovative trend analysis of rainfall in relation to soybean productivity over western Maharashtra. *Journal of Agrometeorology* 23, 228–235.
- Sridhara, S., Ramesh, N., Gopakkali, P., **Das, Bappa**, Venkatappa, S.D., Sanjivaiah, S.H., Singh, K.K., Singh, P., Al-Ansary, D.O., Mahmoud, E.A., Elansary, H.O., 2020. Weather-based neural network, stepwise linear and sparse regression approach for rabi sorghum yield forecasting of Karnataka, India. *Agronomy* 10. <https://doi.org/10.3390/agronomy10111645>
- Pradeep, H. K., Balasangameshwara, J., Sheshshayee, M. S., **Desai, S.**, & Archana, B. K. 2021. Cognitive Computing Models for Estimation of Reference Evapotranspiration: A Review. *Cognitive Systems Research*. 70, 109-116.

- Desai, S., Singh, D. K., Islam, A. and Sarangi, A. 2020. Impact of climate change on the hydrology of a semi-arid river basin of India under hypothetical and projected climate change scenarios. *Journal of Water and Climate Change*. <https://doi.org/10.2166/wcc.2020.287>.
- Desai, S., Singh, D. K., Islam, A. and Sarangi, A. 2020. Multi-site calibration of hydrological model and assessment of water balance in a semi-arid river basin of India. *Quaternary International*. <https://doi.org/10.1016/j.quaint.2020.11.032>.
- Mahajan, G.R., Das, B., Manivannan, S., Manjunath, B.L., Verma, R.R., Desai, S., Kulkarni, R.M., Latare, A.M., Sale, R., Murgaonkar, D. and Patel, K.P. 2020. Soil and water conservation measures improve soil carbon sequestration and soil quality under cashews. *International Journal of Sediment Research*. <https://doi.org/10.1016/j.ijsrc.2020.07.009>
- Bappa Das, Bhakti Nair, Vadivel Arunachalam, Vishwanath Reddy, Paramesh V, Debashis Chakraborty and Sujeet Desai. 2020. Comparative evaluation of linear and nonlinear weather-based models for coconut yield prediction in the west coast of India. *International Journal of Biometeorology*. <https://doi.org/10.1007/s00484-020-01884-2>.
- Sujeet Desai, D. K. Singh, Adlul Islam, A. Sarangi and Khanna, M. 2019. Trend analysis of climatic variables in Betwa river basin. *Indian Journal of Agricultural Sciences*, 89 (6), 1033-38.
- Ambrish Kumar, B. L. Dhyani, Bankey Bihari, D. Mandal, Charan Singh, Sujeet Desai, S. K. Shrama, Sweta Garg. 2017. Design and development of gravity flow water conveyance system for irrigation in Himalayan foot hills. *Indian Journal of Soil Conservation*, 45(1) : 40-44.
- Sujeet Desai, D. K. Singh, A. Sarangi, Manoj Khanna, R. N. Sahoo, H. Pathak. 2016. Extraction of geomorphological parameters of Betwa basin using GIS and Watershed Morphology Estimation Tool (WMET). *Indian Journal of Soil Conservation*, 44(3) : 241-248.
- Sujeet Desai, Murtaza Hasan, Ashish Sonawane, Gajanan Rajurkar and Deepak Singh. 2014. Effect of different levels of drip irrigation and potassium fertilizer on fruit yield and quality of Kinnow (Citrus reticulata Blanco). *International Agricultural Engineering Journal*, 23(2): 50-56.
- Ashish Sonawane, Sujeet Desai, Gajanan Rajurkar and Deepak Singh. 2014. Soft computing approach for optimal reservoir operation. *Journal of Soil and Water Conservation* 13(1): 83-88.
- Sujeet Desai, Gajanan Rajurkar, Deepak Singh, Ashish Sonawane and H.K.Ranganath. 2013. Standardization of Fertilizer Dosage and Irrigation Scheduling for Kinnow Plants. *Environment and Ecology*, 31(2A):697-700.
- A. Sonawane, M. Hasan, Y. Rajwade, Sujeet Desai, G. Rajurkar, V. Shinde, D. Singh. 2013. Comparison of Neuro-Fuzzy and Regression Models for Prediction of outflow of on-farm reservoir. *International Journal of Agriculture, Environment & Biotechnology*. 6(2): 187-193.
- Ramesh, R., D'Souza, M., Asolkar, T., Achari, G. and Gupta, M.J. 2022. Rootstocks for the management of bacterial wilt in eggplant (*Solanum melongena* L.) and tomato (*Solanum lycopersicum* L.) in the coastal regions of India. Advances in Agriculture, vol. 2022, Article ID 8594080 10 pages. doi.org/10.1155/2022/8594080
- Maruthadurai, R., Ramesh, R. and Veershetty, C. 2022. Prevalence and predation potential of rove beetle *Paederus fuscipes* Curtis (Coleoptera: Staphylinidae) on invasive fall armyworm *Spodoptera frugiperda* in fodder maize. National Academy Science Letters. <https://doi.org/10.1007/s40009-021-01096-1>
- Maruthadurai, R. and Ramesh, R. 2021. Fall army worm *Spodoptera frugiperda* strains in Goa and its incidence on fodder maize. Indian Journal of Entomology. Doi No.: 10.5958/IJE.2021.12.
- Pothiraj, G., Hussain, Z., Singh, A.K., Solanke, A.U., Aggarwal, R., Ramesh, R. and Shanmugam, V. 2021. Characterization of *Fusarium* spp. inciting vascular wilt of tomato and its management by a *Chaetomium*-based biocontrol consortium. Frontiers in Plant Science. 12: 748013. doi: 10.3389/fpls.2021.748013
- Ramesh, R., D'Souza, M., Asolkar, T., Achari, G. Gaitonde, S. and Thangam, M. 2021. Field evaluation of bacterial wilt resistant lines and identification of promising bacterial wilt resistant varieties for Coastal region. *Indian Phytopathology*. <https://doi.org/10.1007/s42360-021-00371-x>
- Ramasamy, M. Das, B. and Ramesh, R. 2021. Predicting climate change impacts on potential worldwide distribution of fall armyworm based on CMIP6 projections. *Journal of Pest Science* <https://doi.org/10.1007/s10340-021-01411-1>
- Loganathan, M., Thangavelu, R., Pushpakanth, P., Muthubharathi, K., Ramesh R., Selvarajan, R and Uma, S. 2021. First report of rhizome rot of banana caused by *Klebsiella variicola* in India. *Plant Disease* <https://doi.org/10.1094/PDIS-10-20-2316-PDN>
- Maruthadurai, R. and Ramesh, R. 2020. Mass trapping of red palm weevil and rhinoceros beetle in coconut with aggregation pheromone. *Indian Journal of Entomology* 82(3): 439-441. Doi No.: 10.5958/0974-8172.2020.00114.5

- Asolkar, T. and **Ramesh, R.** 2020. The involvement of the Type Six Secretion System (T6SS) in the virulence of *Ralstonia solanacearum* on brinjal. 3 *Biotech* **10**, 324 (2020). <https://doi.org/10.1007/s13205-020-02311-4>
- Maruthadurai, R. and **Ramesh, R.** 2020. Occurrence, damage pattern and biology of fall armyworm, *Spodoptera frugiperda* (J.E. smith) (Lepidoptera: Noctuidae) on fodder crops and green amaranth in Goa, India. *Phytoparasitica*. **48**: 15-23. doi.org/10.1007/s12600-019-00771-w
- Aslokar, T. and Ramesh, R. 2018. Development of T3SS mutants (hrpB- and hrcV-) of *Ralstonia solanacearum*, evaluation of virulence attenuation in brinjal and tomato- A pre-requisite to validate T3Es of *R. solanacearum*. *Indian Journal of Microbiology*. 58: 372-380. doi.org/10.1007/s12088-018-0736-y.
- Achari, G.A. and **Ramesh, R.** 2018. Colonization of eggplant by endophytic bacteria antagonistic to *Ralstonia solanacearum*, the bacterial wilt pathogen. *Proceedings of National Academy of Sciences, India Section B: Biological Sciences*. doi.org/10.1007/s40011-018-0972-2.
- Aslokar, T. and **Ramesh, R.** 2018. Identification of virulence factors and type III effectors of Phylotype I, Indian *Ralstonia solanacearum* strains Rs-09-161 and Rs-10-244. *Journal of Genetics*. doi.org/10.1007/s12041-018-0894-z
- Achari, G.A. and Ramesh, R. 2018. Characterization of quorum quenching enzymes from endophytic rhizosphere colonizing bacteria. *Biocatalysis and Agricultural Biotechnology*, 13: 20-24. doi.org/10.1016/j.bcab.2017.11.004
- Ramesh, R.** and Singh, N.P. 2017. Field evaluation of talc formulation of *Trichoderma* for the management of Fusarium wilt in watermelon. *Indian Phytopathology*, 70 (1): 75-79. DOI 10.24838/ip.2017.v70.i1.49000
- Ramesh, R.**, Achari, G., Asolkar, T., DSouza, M. and Singh, N.P. 2016. Management of bacterial wilt of brinjal using wild brinjal (*Solanum torvum*Sw) as root stock. *Indian Phytopathology*, 69 (3):260-265.
- Mahajan, G.R., Manjunath, B.L., Singh, N.P., **Ramesh, R.**, Latare A.M., D'Souza, R., Barnes, N. and Kulkarni, R. 2016. Effect of organic and inorganic sources of nutrients on soil microbial activity and soil organic carbon build up under rice in west coast of India. *Archives of Agronomy and Soil Science*. doi: 10.1080/03650340.2016.1213813
- Manjunath, B.L., Mahajan, G.R., **Ramesh, R.** and Singh, N.P. 2016. Effect of improved nutrient management on grain yield of rice (*Oryza sativa* L.) and soil health under organic management, *Indian Journal of Agronomy*, 61 (1) : 25-32.
- Gaitonde, S. and **Ramesh, R.** Screening plant products for *Ralstonia solanacearum* inhibition and characterization of antibacterial compounds in *Garcinia indica*, *Tamarindus indica*. *Proceedings of National Academy of Sciences, India Section B: Biological Sciences* (Accepted article) DOI: 10.1007/s40011-016-0755-6
- Achari, G.A. and **Ramesh, R.** 2015. Characterization of bacteria degrading 3-hydroxy palmitic acid methyl ester (3OH-PAME), a quorum sensing molecule of *Ralstonia solanacearum*. *Letters in Applied Microbiology*. 60 (5): 447-455. doi: 10.1111/lam.12389.
- Ramesh, R.**, Achari, G.A. and Gaitonde, S. 2014. Genetic diversity of *Ralstonia solanacearum* infecting solanaceous vegetables from India reveals the existence of unknown or newer sequevars of Phylotype I strains. *European Journal of Plant Pathology*. 140 (3): 543-562. doi:[10.1007/s10658-014-0487-5](https://doi.org/10.1007/s10658-014-0487-5).
- Ramesh, R.**, Gaitonde, S., Achari, G., Asolkar, T., Singh, N.P., Carrere, S., Genin, S. and Peeters, N. 2014. Genome sequencing of *Ralstonia solanacearum* biovar 3, phylotype I strains Rs-09-161 and Rs-10-244, isolated from eggplant and chilli in India. *Genome Announc.* 2(3):e00323-14. doi:10.1128/genomeA.00323-14.
- Achari, G.A. and **Ramesh, R.** 2014. Diversity, biocontrol, and plant growth promoting abilities of xylem residing bacteria from solanaceous crops. *International Journal of Microbiology*, vol. 2014, Article ID 296521, 14 pages, doi:10.1155/2014/296521
- Gaitonde, S. and **Ramesh, R.** 2014. Genetic characterization of *Ralstonia solanacearum* infecting eggplant *Solanum melongena* L. from Goa and Western region of India. *International Journal of Current Science*. **12**: E128-139.
- Ramesh, R.** and Phadke, G.S. 2012. Rhizosphere and endophytic bacteria for the suppression of eggplant wilt caused by *Ralstonia solanacearum*. *Crop Protection*. **37**: 35-41. DOI:10.1016/j.cropro.2012.02.008
- Manjunath, B.L., Verma, R.R., **Ramesh, R.** and Singh, N.P. 2012. Evaluation of varieties and local manorial sources for organic rice (*Oryza sativa*) production. *Indian Journal of Agronomy* **57** (3): 241-244.
- Ramesh, R.**, Anthony, J., Jaxon, T.C.D., Gaitonde, S. and Achari, G. 2011. PCR based sensitive detection of *Ralstonia solanacearum* from soil, eggplant, seeds and weeds. *Archives of phytopathology and plant protection*. 44 (19): 1908-1919. DOI: 10.1080/03235408.2010.516087

- **Manohara, K. K.**, Morajkar, S., Shanbagh, Y. and Patil, K. 2020. Response of cowpea [*Vigna unguiculata* (L.) Walp] genotypes under residual moisture condition in rice-fallow area of Goa state, India. *Legume Research. (published online)*.
- Das, B., Manohara, K. K., Mahajan, G. R., & Sahoo, R. N. 2020. Spectroscopy based novel spectral indices, PCA- and PLSR-coupled machine learning models for salinity stress phenotyping of rice. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 229. <https://doi.org/10.1016/j.saa.2019.117983>.
- Manohara, K. K., Morajkar, S., Shanbagh, Y., Phadte, P. and Patil, K. 2019. Hybridity assessment in experimental F1s of rice (*Oryza sativa L.*) using microsatellite markers. *Natl. Acad. Sci. Lett.* <https://doi.org/10.1007/s40009-019-00832-y>.
- Paramesh, V., Parajuli, R., Chakurkar, E. B., Sreekanth, G. B., Kumar, H. C., Gokuldas, P. P., Mahajan, G. R., Manohara, K. K., Viswanatha, R. K. and Ravisankar, N. 2019. Sustainability, energy budgeting, and life cycle assessment of crop-dairy-fish-poultry mixed farming system for coastal lowlands under humid tropic condition of India. *Energy*, 188, p.116101.
- Manohara, K. K., Bhosle, S. P. and Singh, N. P. 2019. Phenotypic diversity of rice landraces collected from Goa state for salinity and agro-morphological traits. *Agric Res.* 8(1):1-8. <https://doi.org/10.1007/s40003-018-0354-2>.
- Manohara, K. K. and Shashidhar, H. E. 2018. Selection efficiency for grain yield and its attributing traits in early segregating generations of rice (*Oryza sativa L.*) under aerobic condition. *Int. J. Pure App. Biosci.* 6(6): 393-397. doi: <http://dx.doi.org/10.18782/2320-7051.7159>.
- Krishnamurthy, S. L., Sharma, P. C., Sharma, D. K., Ravikiran, K. T., Singh, Y. P., Mishra, V. K., Burman, D., Maji, B., Mandal, S., Sarangi, S. K., Gautam, R. K., Singh, P. K., Manohara, K. K., Marandi, B. C., Singh, Pamavathi, G., Vanve, P. B., Patil, K. D., Thirumeni, S., Verma, O. P., Khan, A. H., Tiwari, S., Geetha, S., Shakila, M., Gill, R., Yadav, V. K., Roy, S. K. B., Prakash, M., Bonifacio, J., Ismail, A., Gregorio, G. B., and Singh, R. K. 2017. Identification of mega-environments and rice genotypes for general and specific adaptation to saline and alkaline stresses in India. *Scientific reports*. doi:10.1038/s41598-017-08532-7.
- Krishnamurthy, S. L., Sharma, S. K., Sharma, D. K., Sharma, P. C., Singh, Y. P., Mishra, V. K., Burman, D., Maji, B., Bandyopadhyay, B. K., Mandal, S., Sarangi, S. K., Gautam, R. K., Singh, P. K., Manohara, K. K., Marandi, B. C., Singh, D. P., Pamavathi, G., Vanve, P. B., Patil, K. D., Thirumeni, S., Verma, O. P., Khan, A. H., Tiwari, S., Shaikla, M., Ismail, A. M., Gregorio, G. B. And Singh, R. K. 2016. Analysis of stability and G X E interaction of rice genotypes across saline and alkaline environments in India. *Cereal Research Communications*. 44: 349-360. doi: 10.1556/0806.43.2015.055.
- Manohara, K. K., Chattopadhyay, K., Marandi, B. C., Singh, O. N. and Singh, N. P. 2015. Korgut (IC0599689; INGR 14055), a rice (*Oryza sativa L.*) germplasm tolerant (SES score 3) to salinity stress (EC=12 dsm-1) at seedling stage. *Indian Journal of Plant Genetic Resources*. 28(3): 366-367.
- Manohara, K. K. and Singh, N. P. 2015. Genetic variability, correlation and path analysis in rice (*Oryza sativa L.*) under coastal salinity conditions of Goa. *Journal of the Indian Society of Coastal Agricultural Research*. 33(1): 34-39.
- Manohara, K. K. and Singh, N. P. 2013. Genetic divergence among rice landraces of Goa. *Oryza*, 50(2): 100-104.
- **Maruthadurai. R**, Ramesh R and Veereshetty, C. (2022) Prevalence and Predation Potential of Rove Beetle *Paederus fuscipes* Curtis (Coleoptera: Staphylinidae) on Invasive Fall Armyworm *Spodoptera frugiperda* in Fodder Maize. *Natl. Acad. Sci. Lett.* (2022). <https://doi.org/10.1007/s40009-021-01096-1>
- **Maruthadurai. R** and Ramesh R (2022) Fall armyworm *Spodoptera frugiperda* strains in Goa and its incidence on fodder maize. *Indian Journal of Entomology*. DOI.: 10.5958/IJE.2021.12.
- **Ramasamy, M.**, Das, B. & Ramesh, R. (2021) Predicting climate change impacts on potential worldwide distribution of fall armyworm based on CMIP6 projections. *J Pest Sci* <https://doi.org/10.1007/s10340-021-01411-1>
- Gupta, MJ, **Maruthadurai, R**, Vanjari, SS, Pandurang, SC and Pitre, AM. 2021. Post-harvest management of Cowpea: A potential Cash Crop for the Western Coastal Ecosystem of Goa. *Journal of AgriSearch* 8(2):129-13
- **Maruthadurai .R** (2020) Field evaluation of roosting plants with food bait spray in managing melon fly, *Zeugodacus cucurbitae* in cucumber, *Cucumis sativus*. *International Journal of Pest Management*.<https://doi.org/10.1080/09670874.2020.1791370>
- **Maruthadurai. R** and Ramesh R (2020) Mass trapping of red palm weevil and rhinoceros beetle in coconut with aggregation pheromone. *Indian Journal of Entomology*, 82 (3): 439-441.

- Gupta, M.J., **Maruthadurai, R.**, Vanjari, S.S., Pandurang, S.C., and Pitre, A.M. (2020) A systematic assessment of paddy losses at various stages from harvest to storage in the state of Goa. *Journal of Agricultural Engineering*. 57(2): 138-150.
- **Maruthadurai, R** and Ramesh R (2020). Occurrence, damage pattern and biology of fall armyworm, *Spodoptera frugiperda* (JE smith) (Lepidoptera: Noctuidae) on fodder crops and green amaranth in Goa, India. *Phytoparasitica* 48:15–23. doi.org/10.1007/s12600-019-00771-w
- **Maruthadurai, R.** (2019). Diversity of predators and management of *Aphis odinae* (van der Goot) in cashew. *Indian Journal of Entomology*, 81 (4): 909-912.
- **Maruthadurai, R.** (2019). A scientific note on occurrence and infestation of Jewel beetle *Belionota prasina* (Coleoptera: Buprestidae) on Cashew (*Anacardium occidentale*). *Nat. Acad. Sci. Lett.* 42(2):91-94.
- Vaingankar, JD, **Maruthadurai R**, Sellaperumal, C, Dhargalkar, SD, Harihar, S, and Arunachalam, V. (2018). Tapping the potential of vegetable amaranth genotype to trap the root knot nematode pest. *Scientia Horticulturae*. (Elsevier): 230:18-24. doi.org/10.1016/j.scienta.2017.10.037
- **Maruthadurai, R.** (2018). Effect of weather parameters on population dynamics of aphid, *Aphis odinae* (van der Goot) (Hemiptera: Aphididae) on cashew in Goa. *Journal of Agrometeorology* 20 (1) : 84-86
- **Maruthadurai, R** and Singh N.P (2017) A report on occurrence of aphidophagous predators of *Aphis odinae* (Van der Goot) (Hemiptera: Aphididae) in cashew ecosystem from Goa, India. *Journal of Threatened Taxa*.9 (2): 9858-9861. <https://doi.org/10.11609/jott.2435.9.2.9858-9861>
- **Maruthadurai, R** and Singh N.P (2015) First report of invasive mealybug *Phenacoccus solenopsis* Tinsley infesting cashew from Goa, India. *Phytoparasitica* 43:121–124
- **Maruthadurai, R**, Desai, A.R. and Singh N.P (2014) First record of ambrosia beetle *Euplatypus parallelus* infestation on cashew from Goa, India. *Phytoparasitica* 42:57–59.
- P. Mahesh, R. D. Gautam, Sudhida gautam and **R. Maruthadurai** (2012). Kairomones of *Earias vitella* (f.) and their influence on the parasitic potential of *Trichogramma* Spp (Trichogrammatidae: Hymenoptera). *Indian Journal of Entomology*, 74(1): 47-53.
- **R. Maruthadurai** and R.D.Gautam (2011) Hydrocarbon profile of *Earias vittella* and *Spodoptera litura*. *Annals of plant protection sciences* 19(2): 282-285
- **R. Maruthadurai** and R.D.Gautam (2011) Multiplication of Green Lacewing, *Mallada astur* (banks) on Frozen Grubs of *Tribolium castaneum* Herbst. *Journal of biological control* 25(1): 18-21.
- **R. Maruthadurai** and R.D.Gautam and P. Mahesh (2011) Kairomonal effect of host body washing on the egg parasitoid *Trichogramma brasiliensis* (Ashmead) (Hymenoptera: Trichogrammatidae). *Journal of biological control* 25 (4): 298–304.
- **R. Maruthadurai** and R.D.Gautam and Archna (2011). Behavioural response of *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) to Kairomones. *Indian Journal of Entomology*. 73(3): 247-252
- Gupta, M. J., Paramesha, V., Thangam, M., & Arunachalam, V. (2021). Energy analysis of different cucumber varieties in protected cultivation under humid tropic condition of West Coast, India. *Progressive Horticulture*, 53(1), 90-94. <http://dx.doi.org/10.5958/2249-5258.2021.00016.6>
- Arunachalam, V. (2021) Quick identification of banana varieties by minimal qualitative descriptor traits. *Natl. Acad. Sci. Lett.* on line published 15.10.2021 <https://doi.org/10.1007/s40009-021-01085-4>
- Paramesh, V., Singh, S. K., Mohekar, D. S., Arunachalam, V., Misra, S. D., Jat, S. L., Kumar, P., Nath, A.J., Kumar, N., Mahajan, G.R. and Bhagat, T. Impact of sustainable land- use management practices on soil carbon storage and soil quality in the Goa state of India. *Land Degradation & Development*. on line published 15.10.2021 <https://doi.org/10.1002/ldr.4124>
- Kumar, P., Desai, A.R., Arunachalam, V., Gupta, M.J., Paramesha, V., Rajkumar, R.S., Maneesha, S.R., Srikanth, G.B., Mahajan, G.R., Desai, S., Shishira, D., Janjal, A.V. (2021) A conceptual framework for agro-ecotourism development for livelihood security. *Indian Journal of Agronomy*. 66 (5th IAC Special issue): S184-S190.
- Arunachalam, V., Vaingankar, J. D., & Kevat, N. (2021). Foliar traits in papaya plants intercropped in coconut. *National Academy Science Letters*, 44(3):267-270. <https://link.springer.com/article/10.1007/s40009-020-00981-5>
- Krishna, V.R.; Paramesh, V.; Arunachalam, V.; Das, B.; Elansary, H.O.; Parab, A.; Reddy, D.D.; Shashidhar, K.S.; El-Ansary, D.O.; Mahmoud, E.A.; El-Sheikh, M.A. Assessment of sustainability and priorities for development of Indian west coast region: An application of sustainable livelihood security indicators. *Sustainability* 2020, 12, 8716. <https://www.mdpi.com/2071-1050/12/20/8716>
- Arunachalam, V., Fernandes, C.M., and Salgaonkar, D. C. (2020). Quick method to quantify the potassium and sodium content variation in leaves of banana varieties. *Analytical Sciences*. 36(10): 255-

1260. <https://doi.org/10.2116/analsci.20P096> online published 29 May 2020 [https://www.jstage.jst.go.jp/article/analsci/36/10/36\\_20P096/\\_article/-char/en](https://www.jstage.jst.go.jp/article/analsci/36/10/36_20P096/_article/-char/en)
- Das, B., Nair, B., Arunachalam, V., Reddy, K. V., Venkatesh, P., Chakraborty, D., & Desai, S. (2020). Comparative evaluation of linear and nonlinear weather-based models for coconut yield prediction in the west coast of India. *International Journal of Biometeorology*, 1-13. <https://doi.org/10.1007/s00484-020-01884-2>
  - Paramesh, V., Arunachalam, V., & Nath, A. J. (2019). Enhancing ecosystem services and energy use efficiency under organic and conventional nutrient management system to a sustainable arecanut based cropping system. *Energy*, 187, 115902. <https://doi.org/10.1016/j.energy.2019.115902>
  - Arunachalam, V., Prabhu D.C. (2019) Occurrence of leaf tip mutation in black pepper (*Piper nigrum L.*). *Current Science*. 116: 1466-1467. <https://www.currentscience.ac.in/Volumes/116/09/1466.pdf>
  - Paramesh, V., Arunachalam, V., Nikkhah, A., Das, B., Ghnimi, S. 2018. Optimization of energy consumption and environmental impacts of arecanut production through coupled data envelopment analysis and life cycle assessment. *Journal of Cleaner Production*. 203, 674-684.
  - John, K. J., Nair, R. A., Suma, A., Unnikrishnan, M., & Arunachalam, V. (2018) Agro-biodiversity and ethnobotany of Lakshadweep Islands of India. *Genetic Resources and Crop Evolution*. 65: 2083-2094. DOI 10.1007/s10722-018-0676-8<https://link.springer.com/article/10.1007%2Fs10722-018-0676-8>
  - Arunachalam, V. (2018). *Morinda citrifolia L. (Rubiaceae)*: a multi-purpose tree for coastal ecosystems and its variability in Konkan region of India. *Genetic Resources and Crop Evolution*, 65(6), 1751-1765. <https://link.springer.com/article/10.1007/s10722-018-0642-5>
  - Vaingankar, JD, Maruthadurai R, Sellaperumal, C, Dhargalkar, SD, Harihar, S, and Arunachalam, V. (2018) Tapping the potential of vegetable amaranth genotype to trap the root knot nematode pest. *Scientia Horticulturae*. (Elsevier): 230:18-24. doi.org/10.1016/j.scienta.2017.10.037  
Manju, K. P., Manimekalai, R., Naganeeswaran, S. A., Arunachalam, V., & Karun, A. (2016). Microsatellites mining in date palm ('Phoenix dactylifera'L.) and their cross transferability across' Arecaceae family. *Plant Omics Journal* 9(3), 191-197. DOI:10.2147/poj.16.09.03.p7793 [http://www.pomics.com/manimekalai\\_9\\_3\\_2016\\_191\\_197.pdf](http://www.pomics.com/manimekalai_9_3_2016_191_197.pdf)  
Arunachalam, V. Dhargalkar, S.D, Vaingankar, J.D. and Kevat, N. (2016) Pigment rich amaranth genotypes by tri-stimulus colorimetry and progeny test. *National Academy of Sci. Lett*. 39: 411-415 DOI: 10.1007/s40009-016-0491-8
  - Murugesan, P. Maryrani, K.L., Ramajayam, D. Sunil Kumar, K. Mathur, R.K. Ravichandran, G. Naveen Kumar, P. and Arunachalam, V. (2015) Genetic diversity of vegetative and bunch traits of African oil palm (*Elaeis guineensis*) germplasm in India. *Indian Journal of Agricultural Sciences* 85 (7): 32-35.
  - Premkrishnan, B.V. and Arunachalam, V. (2016) Database of predicted SCAR markers in five fruit and three vegetable crops. *J Genet*. 95(1): 171-175
  - Sunkara, S, Arunachalam, V. Bhatnagar-Mathur, P. and Sharma, K.K. (2014) Isolation, cloning and characterization of 5' upstream region of galactose binding seed lectin gene of chickpea (*Cicer arietinum* L.). *Journal of SAT Agricultural Research*. 04/2014:12.
  - Arunachalam, V (2014) Computational genomics of plants. *CAB Reviews* 9: 036.
  - Jerard BA, Niral V, Dhanapal R, Damodaran V, Arunachalam V, Rajesh MK, Devakumar K Samsudeen K, Nair RV, Kumaran PM, Thomas GV (2014) IND 221-Andaman Horned Cocos (IC0598221; INGR13063), a Coconut (*Cocosnucifera*) Germplasm with Distinct Character of Horny Nuts. *Indian J Plant Genet. Resour.* 27(1): 76-77.
  - Jerard BA, Niral V, Dhanapal R, Damodaran V, Rizal SK, Arunachalam V, Sankaran M, Nair RV, Ratnambal MJ, Rao EVVB, Koshy PK, Thomas GV (2014) IND 099-NiuLeka Green Dwarf (EC0415218; INGR13065), a Coconut (*Cocosnucifera*) germplasm of short Statured palm but possessing the advantageous characters of talls. *Indian J Plant Genet. Resour.* 27(1): 78.
  - Seal, A., Gupta, A., Mahalaxmi, M., Aykkal, R., Singh, T.R. and Arunachalam, V. (2014) 'Tools, resources and databases for SNPs and indels in sequences: a review', *International J. Bioinformatics Research and Applications* 10 (3): 264–296.
  - Arunachalam,V, Rajesh M.K, Jerard, B.A. Jayabose, C and Sairam, C.V (2014) Characterization of a spicata mutant of coconut palm in India. *Journal of Plantation Crops*. 42(1):417-424.
  - Arunachalam,V, Jerard, B.A. Apshara, S.E. Jayabose, C Subaharan, K, Ravikumar, N and Palaniswami, C. (2013) Digital phenotyping of coconut and morphological traits associated with eriophyid mite infestation. *Journal of Plantation Crops*. 41(3):417-424.
  - Premkrishnan, B.V. and Arunachalam, V. (2012) In Silico RAPD Priming Sites in Expressed Sequences and iSCAR Markers for Oil Palm. *Comparative and Functional Genomics* . Volume 2012 (2012), Article ID 913709, 5 pages <http://dx.doi.org/10.1155/2012/913709>

- Azeez, S, Rajagopal, V. Jayarama Pai, T, and **Arunachalam, V** (2012) A comparison between the effects of coconut oil and other vegetable oils n human health with empahsis on heart disease. *J Plantation Crops.* 40(1):16-22.
- Singh T. R., Gupta A., Riju A., Mahalaxmi M., Seal A. and **Arunachalam V.** 2011 Computational identification and analysis of single nucleotide polymorphisms and insertions/deletions in expressed sequence tag data of *Eucalyptus*. *J. Genet.* **90**, e34–e38.
- Trupti Asolkar, A R Desai, and N.P. Singh. 2011. Molecular analysis of cashew genotypes and their half-sib progeny using RAPD marker. *Biotechnol. Bioinf. Bioeng.* **1**(4): 2249-9075
- Mathala J. Gupta; Paramesha V., Arunachalam V., Thangam M. 2021. Energy analysis of different cucumber varieties in protected cultivation under humid tropic condition of West Coast, India. *Progressive Horticulture*, 53(1):90-94.
- Mathala J. Gupta; Maruthadurai R., Vanjari SS, Pandurang, SC., Pitre AM. 2021. Post-harvest Management of Cowpea: A potential Cash Crop for the Western Coastal Ecosystem of Goa. *Journal of AgriSearch*, 8:129-134.
- Kumar P, Desai AR, Arunachalam V, Gupta MJ, Paramesha V, Rajkumar SR, Maneesha SR, Sreekanth GB, Mahajan GR, Desai S, Shishira D, Janjal AV (2021) A conceptual framework for agro-ecotourism development for livelihood security. *Indian Journal of Agronomy* 66 (5<sup>th</sup> IAC Special issue): S184-S190.
- Gupta MJ; Thangam M; Arunachalam V. 2020. Microclimatic Studies in a Double-span Greenhouse under Wind Driven and Fan Ventilated Conditions in West Coast of India, *Acta Horticulturae*, 227-234.
- Gupta MJ; Marutha Durai R; Vanjari SS; Pandurang SC; Pitre AM. 2020, A systematic assessment of paddy losses at various stages from harvest to storage for two cropping years in the state of Goa. *Journal of Agricultural Engineering*, 57(2):138-150.
- Gupta, MJ et al. 2019. Impact analysis of Mechanization program for tribal paddy farmers of Goa. *Journal of AgriSearch*, [S.I.], 6(1): 55-59. ISSN 2348-8867.
- Chetan Hiremath and Gupta, M.J. 2011. Customer Preference for Bakery Products in South Goa. *Presidency Journal of Management Thought & Research*, 1(1):48-53.
- **Shripad Bhat**, Hemant Kumar, Devraj and Rajesh Kumar, (2020), Analysis of growth, instability and time series decomposition of price indices of pulses in India, *Journal of Food Legumes (accepted)*
- **Shripad Bhat**, Hemant Kumar, Rajesh Kumar, N P Singh (2019), Application of machine learning technique in time series analysis of prices of pulses, *Journal of Food Legumes*, 32(2):109-112
- Rajesh Kumar, **Shripad Bhat**, Chandra Mani Tripathi, Pradeep Kumar, Ramsaran , Devraj and Hemant Kumar (2019) Enhancing Income of Farmers Through Summer Mungbean, Urdbean, Maize, Okra Interventions Implemented Under Farmer FIRST Project in Fatehpur District Uttar Pradesh - An Impact analysis. Published in Indian journals of extension Education Vol. 55, No.4, 2019 (179-183)
- Sujayanand G.K., Mohammad Akram, Nigam Ashish, Konda Aravind, **Bhat Shripad**, Sachan Deepak Kumar, Husain Raja and Pandey Sonika (2019), Virulence, cross infectivity and molecular characterization of *Spilosoma obliqua* MNPV from north India for Bihar hairy caterpillar management, *Research Journal of Biotechnology*, Vol. 14 (12)
- G.K. Sujayanand, Anup Chandra, Sonika Pandey, **Shripad Bhat**, Seasonal Abundance of Spotted Pod Borer, *Maruca vitrata* Fabricius in Early Pigeonpea [*Cajanus cajan* (L.) Millsp.] and its Management through Farmscaping in Uttar Pradesh, *Legume Research*
- Hemant Kumar, **Shripad Bhat**, Devraj and Rajesh Kumar (2019), Growth and decomposition analysis of chickpea production in India, *Journal of Food Legumes*, 32(3):186-188
- PR Saabale, Manju Nath L, **Shripad Bhat**, Revanappa S Biradar, RK Mishra, Naimuddin, Ram G Chaudhary, AK Srivastava, SK Chaturvedi and NP Singh (2019), Elucidation of host resistance for chickpea wilt (*Fusarium oxysporum* f. sp. *ciceris*), *Journal of Food Legumes*, 32(3):174-177
- D.C. Joshi, **Ganesh V. Chaudhari**, Salej Sood, Lakshmi Kant, A. Pattanayak, Kaixuan Zhang, Yu Fan, Dagmar Janovská, Vladimir Meglič, Meiliang Zhou. 2019. *Planta*. 250: 783–801. DOI: 10.1007/s00425-018-03080-4
- B.N. Swamy, N.K. Hedau, **Chaudhari G.V.**, Lakshmi Kant, A. Pattanayak . 2017. *Scientia Horticulturae*. 222:175-179. DOI: 10.1016/j.scientia.2017.05.023
- M. Pitchaimuthu, K.V. Ravi Shankar, **Chaudhari Ganesh Vasudeo**, K.V. Sarika and M. Gayathri. 2017. *Vegetos*. 30(special-2):435- 440. DOI: 10.5958/2229-4473.2017.00115.X
- N.K. Hedau, R.S. Pal, Salej Sood, **Chaudhari G.V.**, L. Kant and A. Pattanayak. 2018. *Indian Journal of Agricultural Sciences*. 88(9):1442-1428.

- **Maneesha S.R.** and S. Priya Devi. 2019. Effect of Calcium Nitrate and Potassium Nitrate priming on seed germination and seedling vigour of papaya (*Carica papaya* L.). Journal of Horticulture Sciences. 14(2): 149-154.
- **Maneesha. S.R.**, S. Priya Devi and N.P. Singh. 2019. ‘*Kulagar*’- A potential system to conserve crop diversity. Indian Journal of Plant Genetic Resources. 32(2): 135-140.
- **Maneesha. S.R.**, S. Priya Devi, R.M. Vijayakumar and K. Soorianathasundaram. 2019. Cost Benefit Analysis of Drip Fertigation and Flower Induction in Pineapple (*Ananascomosus* (L.) Merr.) variety ‘Giant Kew’ in Goa, India. International Journal of Current Microbiology and Applied Sciences. 8(4): 2010-2019.
- **Maneesha. S. R.**, S. Priya Devi, R.M. Vijayakumar and K. Soorianathasundaram. 2019. Effect of fertigation on vegetative growth of pineapple (*Ananascomosus* (L.) Merr.) variety ‘Giant Kew’. International Journal of Chemical Studies. 7(3): 28-32.
- **Maneesha. S. R.**, S. Deepika and L. Preethy. 2019. Preparation and properties of herbal extract blended pineapple Ready To Serve. Journal of Agrisearch. 6(1): 34-37.
- **Maneesha S.R.** and S. Priya Devi. 2018. Effect of calcium nitrate treatments on seed germination and seedling vigour of papaya (*Carica papaya* L.). Agric INTERNATAIONAL. 5(1): 1-4.
- **Maneesha S.R.** and K. Soorianathasundaram. 2017. Evaluation of yield and yield contributing characters of F2 population of papaya (*Carica Papaya* L.) under Coimbatore, Tamil Nadu conditions. International Journal of Farm Sciences. 7(3): 43-48.
- **Solomon Rajkumar**, Renuka Nayar, Kavitha Rajagopal, Eaknath B Chakurkar, Vismitha Shree Venkatesh, Prejit Nambiar, Venkatesh Paramesh. 2021. Socio-demographic influences on various consumer food safety indices: an empirical study of ethnic Goan pork sausage consumers. *British Food Journal*. Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/BFJ-10-2020-0986>.
- Venkatesh Paramesh, Giri Bhavan Sreekanth, Eaknath Chakurkar, HB Chethan Kumar, Parappurath Gokuldas, Kallakeri Kannappa Manohara, Gopal Ramdas Mahajan, **Racharla Solomon Rajkumar**, Natesan Ravisankar, Azad Singh Panwar. 2020. Ecosystem Network Analysis in a Smallholder Integrated Crop-Livestock System for Coastal Lowland Situation in Tropical Humid Conditions of India. *Sustainability*. 12 (12), 5017; doi:10.3390/su12125017.
- Shivasharanappa Nayakvadi, Charlotte Alison Alemao, HB Chethan Kumar, RS Rajkumar, Susitha Rajkumar, Eaknath B Chakurkar, Shivaramu Keelara. 2018. Detection and molecular characterization of sorbitol fermenting non-O157 Escherichia coli from goats. *Small Ruminant Research*. 161. 7-12.
- Venkatesh Paramesh, EB Chakurkar, Tejasvi Bhagat, GB Sreekanth, HB Kumar, **Solomon Rajkumar**, PP Gokuldas, Gopal R Mahajan, KK Manohara, N Ravisankar. 2021. Impact of integrated farming system on residue recycling, nutrient budgeting and soil health. *Indian Journal of Agricultural Sciences*. 91 (1), 44-48
- Nayar Renuka, Rajagopal Kavitha, **Rajkumar Solomon**, Thomas Magna. 2021. Documentation and Evaluation of Traditional Meat Products of North Malabar. *International Journal of Current Microbiology and Applied Sciences*. 10 (1), 1184-1194.
- **Solomon Rajkumar**, Renuka Nayar, Susitha Rajkumar, Dhananjay Desai, Kavitha Rajagopal, Eaknath B. Chakurkar, Magna Thomas and Muhasin Asaf. 2020. Diversity Analysis of Lactobacilli in Naturally Fermented Ethnic Goan Pork Sausages as Determined by PCR Amplification of 16-23S rRNA Intergenic Spacer Region. *International Journal of Current Microbiology and Applied Sciences*. 9(12):2789-2797. doi: <https://doi.org/10.20546/ijcmas.2020.912.333>
- **Gokuldas PP**, Singh SK, Tamuli MK, Naskar S, Vashi Y, Thomas R, Barman K, Pegu SR, Chethan SG, Agarwal SK. (2018). Dietary supplementation of n-3 polyunsaturated fatty acid alters endometrial expression of genes involved in prostaglandin biosynthetic pathway in breeding sows (*Sus scrofa*). *Theriogenology*; 110:201-208.
- **Gokuldas, P.P.**, Tamuli, M.K., Mohan, N.H., Barman, K. and Mahapatra, R.K. (2015). Farrowing response and piglet viability following Cloprostenol-induced farrowing in Duroc sows with prolonged gestation. *J. Applied Anim. Research*, 43(2): pp. 153-156.
- J.K. Prasad, R. Islam, M. Murugan, **Gokuldas P.P.**, B.K. Binsila, P.Perumal, H. Kumar and G.K. Das. (2012). Relieving of dystocia due to ascetic fetus by siphoning fetal peritoneal fluid in buffalo. *Theriogenology Insight*: 2(2): 87-92.
- Paramesh, V., Parajuli, R., Chakurkar, E.B., Sreekanth, G.B., Kumar, H.C., **Gokuldas, P.P.**, Mahajan, G.R., Manohara, K.K., Viswanatha, R.K. and Ravisankar, N. (2019). Sustainability, energy budgeting,

and life cycle assessment of crop-dairy-fish-poultry mixed farming system for coastal lowlands under humid tropic condition of India. *Energy*, 188 (116101), pp: 1-13.

- Paramesh, V.; Sreekanth, G.B.; Chakurkar, E.B.; Kumar, H.C.; **Gokuldas, P.P.**; Manohara, K.K.; Ramdas Mahajan, G.; Rajkumar, R.S.; Ravisankar, N.; Panwar, A.S. (2020). Ecosystem Network Analysis in a Smallholder Integrated Crop–Livestock System for Coastal Lowland Situation in Tropical Humid Conditions of India. *Sustainability*, 12, 5017, pp: 1-16.
- Chakurkar, E. B., Sahu, A. R., Naik, S., Kumar, H.C and Gokuldas, P.P. (2021). Genetic evaluation of growth and reproductive performances of crossbred pigs reared under intensive system in tropical humid coastal climate. *Tropical animal health and production*, 53(2), 243, pp: 10
- **Gokuldas P.P.**, M.K. Tamuli, N.H. Mohan, K. Barman, and N.R. Sahoo (2015). A comparative analysis of reproductive performance in different pig breeds reared under intensive management systems of sub-tropical climate. *Indian J Anim. Sci.*, 85(9): 1042-1045.
- Paramesh V, Chakurkar EB, Bhagat T, Sreekanth GB, Chetan Kumar HB, Rajkumar S, Gokuldas PP, Mahajan GR, Manohara KK and Ravisankar N. (2021). Impact of integrated farming system on residue recycling, nutrient budgeting and soil health. *Indian Journal of Agricultural Sciences*, 91 (1): 44–8
- K. Barman, S. Banik, R. Thomas, **Gokuldas P.P.**, P. Kaushik, S. Kumar, B. C. Das, A. K. Das, D. Konwar and S. Rajkhowa (2020). Effects of replacing conventional diets with brewer's rice byproducts on performance of crossbred (Hampshire x Ghungroo) grower pigs Indian J. Anim. Hlth., 59(1), pp: 62-66.
- NH Mohan, LK Nayak, **PP Gokuldas**, S Debnath, M Paul, L Ammayappan, VV Ramamurtu and Sarma DK (2018). Relationship between morphology and tensile properties of pig hair fibre. *Indian Journal of Fibre and Textile Research*, 43: 126-131.
- Barman K, Konwar D, Banik S, Girish Patil S, **Gokuldas PP**, Thomas R and Rajkhowa S. (2018). Effect of supplementation of Azolla (*Azolla carolinii*) meal on performance of crossbred (Hampshire x Ghungroo) pigs, *Indian Journal of Animal Nutrition*, 35(4):469-472
- K. Barman, M.K. Tamuli, DK Sarma, S. Banik, Mohan, N.H., R. Thomas, **Gokuldas P.P.**, S.R. Pegu (2016). Effect of Replacing Maize with Bakery Waste on the Performance of Growing Crossbred Pigs. *Animal Nutrition and Feed Technology*, 16:165-169.
- Binsila B.K., R.Islam, Harendra Kumar, **Gokuldas P.P.** and Harish.C. (2011). Management of post-cervical uterine torsion in a Murrah buffalo. *J Indian Vet. Association*, 9(3), pp: 60-61.
- G.K. Das., R. Dutt., S. Deori., P. Jaglan., **Gokuldas P.P** and U. Shankar (2011). Incomplete cervical dilatation causing dystocia in a buffalo. *Indian J.Vet. Research*, 17(2): 41-43.
- **Susitha Rajkumar** and Reddy, M.R and Somvanshi, R (2014). Differentiation of field isolates of *Mycoplasma gallisepticum* from vaccine strains MG ts-11 and MG 6/85. 2nd Annual Conference of Association of Avian Health Professionals held at Pune, India (7th to 8th November 2014, Pune, India)
- M. Muthulakshmi, **Susitha Rajkumar**, R. S. Rajkumar and M. Muthukumar (2012). "Incidence of egg bound syndrome in culled commercial layers". Abstract presented at XXIX Annual Conference & National Symposium of Indian Poultry Science Association (IPSACON), Hyderabad, India from 5-7, December, 2012.
- Rajkumar, R S., Yadav, A.S and **Susitha K** (2011). Campylobacter contamination in small scale poultry dressing units of Northern India: PCR amplification of 16s rRNA gene for rapid detection. 16th International Workshop on Campylobacter, Helicobacter and Related Organisms (CHRO 2011)" , Vancouver, BC, Canada (28 Aug to 1 Sept. 2011)
- Sreekanth GB, Jaiswar AK, Zacharia PU, Pazhayamadom DG and Chakraborty SK. 2019. Effect of environment on spatio-temporal structuring of fish assemblages in a monsoon influenced tropical estuary. Environmental Monitoring and Assessment (EMAS-S-18-03682, Accepted for publication)
- Ratheesh Kumar R, Dinesh babu PP, Singh VV, Jaiswar AK, Latha Shenoy, Shukla SP, Manju Lekshmi N and Sreekanth GB. 2018. Temporal variations in catch composition of stationary bag nets along Maharashtra coast in relation to environmental factors. *Journal of Experimental Zoology India*, 22(1) (Accepted).
- Sreekanth GB, Chakraborty SK, Jaiswar AK, Zacharia PU, Mohamed KS and Francour P. 2017. Trophic network and food web characteristics in a small tropical monsoonal estuary: A comparison with other estuarine systems. *Indian Journal of Geo-Marine Sciences (MS- 4192 Accepted for publication)*.
- Sreekanth GB, Chakraborty SK, Jaiswar AK, Bappa Das and Chakurkar EB. 2018. Application of deterministic and stochastic geo-statistical tools for analysing spatial patterns of fish density in a tropical monsoonal estuary. *Aquatic Ecology* (DOI: 10.1007%2Fs10452-019-09672-w)
- Sri Hari M, Bhutia RN, Kathrivel pandian A, Sreekanth GB, Ramteke K, Sajina AM, Gangan SS and Abidi ZJ. 2017. Deciphering the stocks Chanos chanos (Forsskål, 1775) in Indian waters by through body

morphology and otolith shape analysis (Turkish journal of Fisheries and Aquatic Sciences, Accepted for publication).

- Sri Hari M, Jaiswar AK and Sreekanth GB. 2018. Length-weight relationship of seven finfish species from Mandovi-Zuari estuarine system, Goa, India. *Journal of Applied Ichthyology*, 2018: 1-3doi: 10.1111/jai.13816
- Jaiswar AK, Sri Hari M and Sreekanth GB. 2018. Length-weight relationship of seven finfish species from Mandovi-Zuari estuarine system, Goa, India. *Journal of Applied Ichthyology (JAI-2018-0548, accepted for publication)*
- Sandeep KP, Kumaraguru Vasangam KP, Kumararaja P, Syama Dayal J, Sreekanth GB, Ambasankar K and Vijayan KK. 2018. Microalgal diversity of a tropical estuary in south India with special reference to isolation of potential species for aquaculture. *Journal of Coastal Conservation, (Accepted for publication, JCCO-D-18-00014\_R1)*
- Ratheesh Kumar R, Dineshbabu AP, Jaiswar AK, Shukla SP, Manju Lekshmi N, Sreekanth GB, Nakhawa AD and Singh VV. 2018. Temporal variations in phytoplankton assemblages at Dolnet fishing grounds of major tidal creeks of Maharashtra, India. *International Journal of Current Microbiology and Applied Sciences*, 7(06) (<https://doi.org/10.20546/ijcmas.2018.706.xx>).
- Vaisakh G, Chakraborty SK, Jahageerdar S, Jaiswar AK, Sreekanth GB, Renjith RK and Sibina Mol S. 2018. Stock structure analysis of Nemipterus bipunctatus (Valenciennes, 1830) along the Indian coast based on truss network analysis of body and skull. *Indian Journal of Geo-marine Sciences (accepted manuscript IJGMS/MS 3956)*.
- Renjith RK, Jaiswar AK, Chakraborty SK, Rajendran KV and Sreekanth GB. 2018. First Record of Anophthalmic Large Scaled Terapon, *Terapon theraps* Cuvier 1829 in Trawl Landings from Versova, Mumbai, Maharashtra. *International Journal of Current Microbiology and Applied Sciences*, 7(05):429-434.
- Sreekanth GB, Manju Lekshmi N and Ajey Patil. 2018. Performance of a shipwreck as an artificial fish habitat along Goa, western coast of India. *Journal of Environmental Biology (MRN-830, Accepted article, Vol. 40 (2019))*.
- E.B. Chakurkar and Sreekanth GB. 2017. Fisheries Sector in Coastal Agriculture: A way forward. In: Souvenir of the 11th Indian Fisheries and Aquaculture Forum (11th IFAF), 21-24 November 2017 at Kochi, Kerala, India.
- Sreekanth GB, Manju Lekshmi N, Vishwajeet Prajapati, Narendra Pratap Singh and Chakurkar EB. 2017. A Handbook on coastal fisheries resources of Goa. Broadway Publishers, Panjim, Goa, ISBN: 978-93-84298-71-5, 174 pp
- Sreekanth GB, Manju Lekshmi N and Singh NP. 2017. Can Artificial Reefs really enhance the inshore fishery resources? A critical review. (Accepted for publication, PNAS India-Sec B-Biological Sciences-submitted- NASB-D-16-00381R2).
- Sreekanth GB, Manju Lekshmi N, Chakraborty SK, Jaiswar AK and Singh NP. 2016. Seasonal fish species composition, CPUE and VPUE in the small scale fishery of a tropical monsoon estuary along southwest coast of India. *Journal of Environmental Biology (M. S. 216 accepted for publication)*.
- Manju Lekshmi N, Sreekanth GB. Singh NP, Vennila A, Ratheesh Kumar R and Pandey PK. 2016. Variations in phytoplankton assemblages in different aquaculture systems in coastal waters of Goa. *Indian Journal of Geo-Marine Sciences (MS ID: 3199/16, accepted for publication)*.
- Sreekanth GB, Manju Lekshmi N, Chakraborty SK, Jaiswar AK, Zacharia PU, Renjith VR, Singh NP and Pazhayamadom DG. 2016. Effect of monsoon on coastal fish diversity of Goa: an example from gill net fishery. *Indian Journal of Fisheries (MS ID: 45862, accepted for publication)*.
- Sreekanth GB, Chakraborty SK and Jaiswar AK. 2016. Stock structure analysis of Japanese threadfin bream, *Nemipterus japonicus* (Bloch, 1791) along the Indian coast based on truss network analysis. *Indian Journal of Geo-Marine Sciences (MS: 3190/16, accepted for publication)*.
- Manmeet KN, Jaiswar AK, Subal KR, Sreekanth GB, Chakraborty SK and Deshmukh VD. 2016. A note on the occurrence of an anophthalmic unicorn cod, *Bregmaceros mcclellandii* Thompson, 1840 from Mumbai waters. *Indian Journal of Geo-Marine Sciences(MS 2623/14, accepted for publication)*.
- Sreekanth GB, Manju Lekshmi N, Singh NP, Chakraborty SK and Reddy V. 2015. Economic performance of small scale fisheries in India. An illustration using a coastal ecosystem in southwest coast of India. *Indian Journal of Geo Marine Sciences (MS 3110/15, accepted for publication)*.
- Sreekanth GB, Manju Lekshmi N, Singh NP, Chakraborty SK and Reddy V. 2015. Economic performance of small scale fisheries in India. An illustration using a coastal ecosystem in southwest coast of India. *Indian Journal of Geo Marine Sciences (MS 3110/15, accepted for publication)*.

- Shabir A Dar, Saly N Thomas, Chakraborty SK, Sreekanth GB and Balkhi MH. 2015. Economic loss assessment on juvenile fish catch due to forced non-selectivity in a selective fishing gear, gillnet along Mumbai coast, India. *Journal of Applied and Natural Sciences*, 7(2): 916-921.
- Sreekanth GB, Subramanian S, Manju Lekshmi N, Madhu VR, Passta MF and Singh NP. 2014. Validations on the satellite based potential fishing zone advisories along, Goa. SW coast of India. *Indian Journal of Fisheries* (MSID: 44455, accepted for publication).
- Sreekanth GB, Zacharia PU, Praveen KV, Manju Lekshmi N and Singh NP (2015) An inquiry in to the trends in landings and marketing efficiency of threadfin breams, a trawl by catch resource along Kerala coast. *South Asian Journal of Multidisciplinary Studies*, 2 (4): 23-36.
- Manju Lekshmi N, Ratheesh Kumar R, Purushothaman CS, Sandeep KP, Pandey PK, Sreekanth GB and Singh NP (2014). Development of Lignocellulolytic microbial consortium for the production of organic manures from agricultural wastes. *Journal of Aquatic Biology and Fisheries*, 2: 324-328.
- Remya R, Vivekanandan E, Sreekanth G B, Ambrose T V, Preetha G Nair, Manjusha U, Saiby Thomas and Mohammed K S. 2015. Stock structure analysis of oil sardine, *Sardinella longiceps* (Valenciennes, 1847) from southeast and southwest coasts of India. *Journal of the Marine Biological Association of India*, Vol.57 No.1, (Online Published), DOI: 10.6024/jmbai.2015.57.1.01820-0x.
- Renjith VishnuRadhan, Zaki Zainudin, Sreekanth G B., Ravinder Dhiman, Mohd. Noor Salleh and P. Vethamony. 2015. Temporal water quality response in an urban river; a case study in the peninsular Malaysia. *Applied Water Science* (online published) DOI: 10.1007/s13201-015-0303-1.
- Sreekanth, G. B., P. U. Zacharia , T. V. Sathianandan , Saiby Thomas, Manju lekshmi. N and N. P. Singh 2015 Combining surplus production and spectral models to define fishery management advisory - a case study using the threadfin bream fishery along Kerala coast. *Indian J. Fish.*, 62 (1): 41-45.
- Sreekanth GB, Manju Lekshmi N and Singh NP (2015). Temporal patterns in fish community structure; environmental perturbations in a well-mixed tropical estuary. *PNAS-SEC-B Biological Sciences* (Online published). DOI: 10.1007/s40011-015-0581-2).
- Ratheesh kumar,R., Purushothaman, C. S., Sreekanth, G. B., Manju Lekshmi, N., Renjith, V., Sandeep, K. P. and Pandey, P. K.,2015. State of water quality of two tropical urban lakes located at Mumbai megacity. *International Journal of Science and Research (IJSR)*, 4(5):1991-1998.
- Tarkeshwar Kumar, S. K. Chakraborty, A. K. Jaiswar, K. M. Sandhya, TasaduqHussain Shah, Debabrata Panda, Bhawesh T. Sawant, G. B. Sreekanth and Roshan R. Akhade. 2014. Gonadal maturation profile and fecundity of the Johnieops sina (Cuvier 1830) from Ratnagiri coast of India. *Ind. J. Geo Mar. Sc.*, Vol. 43 No. 8 (Online Published).
- Anuraj, A., Tiwari, V. K., Suresh Babu, P. P., Jesna, P. K., Sreekanth, G. B., S. S. H. Razvi and Srinivasa Rao. 2013. Gram negative bacterial microflora associated with a freshwater prawn hatchery with respect to their portal of entry (*Journal of Applied Aquaculture*, MID: WJAA-2013-0039, accepted).
- R. Remya, E. Vivekanandan, G. B. Sreekanth, T. V. Ambrose, Saiby, Preetha G. Nair and K. S. Mohammed. 2013. Stock structure analysis of Indian mackerel from south east and south west coasts of India using truss network system. *Indian Journal of Fisheries*, 61 (3): 16-19.
- Sreekanth G.B., S. K. Chakraborty, A.K. Jaiswar, Renjith R.K., Ratheesh Kumar, Sandeep K. P., Vaisakh, G., Sunil S. Ail, N. Manju Lekshmi and Deepak George Pazhayamadom. 2013. A comparative morphometric analysis to study the stock structure of Japanese threadfin bream, *Nemipterus japonicus* (Bloch, 1791) populations along Indian coast. *Indian Journal of Geo Marine Sciences* (MS: 2390, accepted).
- Jeetendra Kumar, Geetanjali Deshmukhe, Alkesh Dwivedi, Surya S., Sreekanth G. B. and Satyendra Kumar Singh. Seasonal and spatial variation of microalgal abundance and chlorophyll a concentration in intertidal rocky pools along Mumbai coast, India, *Ind. J. Geo. Mar. Sc.*, Vol. 44 No. 3 (Online Published).
- Sreekanth G.B., Chakraborty, S. K., Jaiswar, A. K., Renjith, R. K. Sunil, S. Ail. Comparison of length-weight progression for Japanese threadfin bream, *Nemipterus japonicus* (Bloch, 1791) from different regions along Indian coast using selected regression models. *Ind. J. Geo Mar. Sc.* Vol. 43 No. 8 (Online Published).
- Renjith R K, Jaiswar, A. K., S. K. Chakraborty, Shrinivas Jahageerdar and Sreekanth G. B. 2013. Unraveling scale shape variation in fishes- an illustration using six species of the Family Nemipteridae. *Indian Journal of Fisheries*, Vol 61(4): 88-92, 2014.
- Kamei, G., Chakraborty, S.K. Deshmukhe, G, Jaiswar, A. K., H. Mandakini Devi, Sreekanth G.B, Tok, N.C. and Sadawarte, R. K. 2013. Damage Caused by Capture of Juvenile Sciaenids along Mumbai Coast. *Indian Journal of Geo-Marine Sciences*, Vol 42 (5): 617-621.
- Sreekanth G.B, S. K. Chakraborty, A.K. Jaiswar, Renjith R.K., Deepak, G. P., Kamei, G., Vaisakh, G., Sunil S. Ail. 2013. Analysis of meristic characters among the populations of Japanese threadfin

- bream, *Nemipterus japonicus* (Bloch, 1791) along Indian coast. Indian Journal of Fisheries, Vol. 60 (4):25-31.
- Sreekanth G. B., Deepak G Pazhayamadom, Sushanta Kumar Chakraborty, Ashok Kumar Jaiswar, R.K Renjith, Ratheesh Kumar R, Anuraj, A. 2012. Site specific differences in food and feeding biology of *Nemipterus japonicus* (Bloch, 1791) along Indian coast. Indian Journal of Fisheries, Vol. 59 (3):25-
  - Rejani Chandran, L.K. Tyagi, A.K. Jaiswar, Sudhir Raizada, Sangeeta Mandal, **Trivesh S. Mayekar**, Amit Singh Bisht and Sanjay Kumar Singh; 2018. Fisher's Outlook and Perception towards Fishery Resources of River Ib. Journal of Community Mobilization and Sustainable Development, 13(1): 79-83.
  - Rejani Chandran, L.K. Tyagi, A.K. Jaiswar, Sudhir Raizada, Sangeeta Mandal, **Trivesh S. Mayekar**, Amit Singh Bisht, Sanjay Kumar Singh and W. S. Lakra. Diversity and distribution of Fish Fauna in Ib River, a Tributary of Mahanadi. Indian Journal of Fisheries, 66(1): 92-98.
  - VindhyaMohindra,R.K.tripathi,,T.Dangi,R.K.Singh,R.chaudhary, **Trivesh Mayekar**, B.Kushwaha,R.Kumar, KuldeepK.Lal, J.K.Jena, T.Mohapatra, Draft genome of anadromous Indian shad, *Tenualosa ilisha* (Hamilton,1822).
  - L.K. Tyagi, Sangeeta Mandal, Rejani Chandran, **Trivesh S. Mayekar**, A. S. Bisht and S. K. Singh, Study of ichthyofaunal diversity in the lower basin of river Mahanadi : Initial observations, 11 th Indian fisheries and aquaculture forum, November 21-24,2017.
  - Rejani Chandran, L.K. Tyagi, A.K. Jaiswar, Sudhir Raizada, Sangeeta Mandal, **Trivesh S. Mayekar**, Amit Singh Bisht and Sanjay Kumar Singh, Ichthyofauna diversity, habitat ecology and perception of inhabiting fisher community in Ib river : A tributary of Mahanadi, 11 th Indian fisheries and aquaculture forum, November 21-24,2017.
  - Amit Bisht, Sangeeta Mandal, Rejani Chandran, **Trivesh Mayekar**, Sanjay Singh, Lalit Tyagi, People's perception towards conservation of fish diversity in lower Mahanadi basin, XIV Agricultural science congress,20-23 february,2019.
  - **Trivesh S. Mayekar**, Alisha Paul, Rajesh Kumar and Vindhya Mohindra, Identification of molecular factors associated with response to environmental conditions in Mahseer, *Tor putitora*, through outlier loci analysis, , XIV Agricultural Science Congress, February 20-23,2019.
  - Rejani Chandran, L.K. Tyagi, A.K. Jaiswar, Sudhir Raizada, Sangeeta Mandal, **Trivesh S. Mayekar**, Amit Singh Bisht and Sanjay Kumar Singh,K.K.Lal,Plankton dynamics and habitat services in Ib river,India, Journal of plankton research (Under review)
  - Sachithanandam V, Nagarajan Muruganandam, **Trivesh Mayekar**, PM Mohan, DNA barcode and phylogenetic analyses of commercially important Serranidae (subfamily: Epinephelinae) from Andaman Islands based on the mtDNA COI and nuclear DNA RAG2 genes, Regional Studies in Marine Science (Under review)
  - **Nayak, N.**, Rajini, R. A., Ezhilvalavan, S., Kirubaharan, J. J., Sahu, A. R. and Manimaran, K. 2015. Effect of *in ovo* feeding of arginine and/or tryptophan on hatchability and small intestinal morphology in broiler chicken. *Indian Journal of Poultry Science*, **50** (1): 18-23.
  - **Nayak, N.**, Rajini, R. A., Ezhilvalavan, S., Sahu, A. R. and Kirubaharan, J. J. 2016. Influence of *In-ovo* Arginine Feeding on Post-hatch Growth Performance and Economics of Broilers. *Journal of Animal Research*, **6** (4): 585-591.
  - **Nayak, N.**, Rajini, R. A., Ezhilvalavan, S., Sahu, A. R. and Kirubaharan, J. J. 2015. Comparative effect of arginine and/or tryptophan *in ovo* feeding on hatchability percentage, growth performance and economic importance of commercial broiler. *Indian Journal of Animal Sciences*. **87** (2): 153-158.
  - Akilarasan, S., Rajini, R. A., Meenakshi Sundaram, S., **Nayak, N.** and Ramamurthy, N. 2017. System of rearing and its effect on fertility and hatchability of White Breasted Pearl guinea fowl. *International Journal of Advanced Biological Research*, **7** (1): 47-50.
  - Akilarasan, S., Rajini, R. A., Meenakshi Sundaram, S., **Nayak, N.** and Ramamurthy, N. 2017. Storage period and its effect on hatchability of White Breasted Pearl guinea fowl eggs. *International Journal of Livestock Research*, **4**: 2277-1964
  - Chakurkar, E. B., **Sahu, A. R.**, Naik, S., Chethan Kumar, H.B. and Gokuldas, P.P. 2021. Genetic evaluation of growth and reproductive performances of crossbred pigs reared under intensive system in tropical humid coastal climate. *Tropical Animal Health and Production*, **53**: 243-452.

- **Sahu, A. R.**, Jeichitra, V., Rajendran, R. and Raja, A. 2020. Association analysis of novel SNPs in exon 10 of growth hormone receptor gene with growth traits in Indian sheep. *Veterinarski Arhiv*, **90** (6), 593-602.
- **Sahu, A. R.**, Kumar, S., Jain, S. K. and Chethan Raj R. 2019. Relative mRNA Expression of *CRBP IV* gene and its association with layer economic traits in Rhode Island Red chicken. *Indian Journal of Animal Sciences*, **89** (12): 1345-1348.
- **Sahu, A. R.**, Kumar, S., Jain, S. K. and Chethan Raj R. 2019. Fold changes in relative mRNA expression of Cellular Retinol-binding Protein IV gene in Rhode Island Red chicken. *Indian Journal of Poultry Science*, **54** (1): 1-4.
- **Sahu, A. R.**, Jeichitra, V., Rajendran, R., Raja, A. 2019. Novel report on mutation in exon 3 of myostatin (MSTN) gene in Nilagiri sheep: an endangered breed of South India. *Tropical Animal Health and Production*, **51**: 1817-1822.
- Das, S., Mohanty, G.P., Mishra, S.K., Sahoo, S.P., Dash, S.K., **Sahu, A. R.** and Pradhan, C.R. 2019. Comparative study on meat composition and fatty acid profile of Non-Descript and their crosses with Boer goats. *Indian Journal of Small Ruminants (The)*, **25** (1): 85-88.
- Nayak, N., Rajini, R. A., Kirubaharan, J. J., Ezhilvalavan, S. and **Sahu, A. R.** 2018. Effect of In Ovo Feeding of Tryptophan on Post-Hatch Production Performance and Immune Response in Commercial Broilers. *Animal Nutrition and Feed Technology*, **18**: 355-366.
- **Sahu, A. R.**, Jeichitra, V., Rajendran, R., Raja, A. 2017. Polymorphism in exon 3 of myostatin (MSTN) gene and its association with growth traits in Indian sheep breeds. *Small Ruminant Research*, **149**: 81-84.
- **Sahu, A. R.**, Jeichitra, V., Rajendran, R., Raja, A. 2017. Polymorphism of growth hormone receptor (GHR) gene in Nilagiri sheep. *Tropical Animal Health and Production*, **49**: 281-285.
- Nayak, N., Rajini, R. A., Ezhilvalavan, S., **Sahu, A. R.** and Kirubaharan, J. J. 2017. Comparative effect of arginine and/or tryptophan *in ovo* feeding on hatchability percentage, growth performance and economic importance of commercial broiler. *Indian Journal of Animal Sciences*. **87** (2): 153-158.
- **Sahu, A. R.**, Jeichitra, V., Rajendran, R., Raja, A. 2016. Genetic Polymorphism of Myostatin (MSTN) Gene in Sheep Breeds. *Journal of Animal Research*, **6** (1): 81-84.
- Nayak, N., Rajini, R. A., Ezhilvalavan, S., **Sahu, A. R.** and Kirubaharan, J. J. 2016. Influence of *In-ovo* Arginine Feeding on Post-hatch Growth Performance and Economics of Broilers. *Journal of Animal Research*, **6** (4): 585-591.
- Sundararaman, M. N., **Sahu, A. R.**, Vinoth Raj, S. and Subramanian, A. 2016. Quality assurance of cryopreserved buck semen by assessing structural and functional integrity of spermatozoa. *Journal of Animal Research*, **6** (4): 669-675.
- **Sahu, A. R.**, Jeichitra, V., Rajendran, R., Raja, A., Sivaselvam, S. N. and Karthickeyan, S. M. K. 2016. Monomorphism of growth hormone receptor gene in south Indian breeds of sheep. *The Indian Journal of Small Ruminants*, **22** (2): 167-169.
- **Sahu, A. R.**, Jeichitra, V., Rajendran, R., Raja, A. 2016. Genetic polymorphism in 5'UTR of myostatin (MSTN) gene in Nilagiri sheep. *Journal of Livestock Biodiversity*, **6** (1): 7-10.
- Nayak, N., Rajini, R. A., Ezhilvalavan, S., Kirubaharan, J. J., **Sahu, A. R.** and Manimaran, K. 2015. Effect of *in ovo* feeding of arginine and/or tryptophan on hatchability and small intestinal morphology in broiler chicken. *Indian Journal of Poultry Science*, **50** (1): 18-23.