



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD

NAAC Accredited

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Research Activities 2019-20

3.1.1 Research Funds sanctioned and received from various funding agencies, industry and other organizations

Nature of Project	Sanctioned Duration	Name of the Funding Agency	Total Grant Sanctioned	Status of the Project
Major	2016-20	SERB, New Delhi	INR 41,92,144	Ongoing
Major	2018-21	SERB, New Delhi	INR 23,10,000	Ongoing

3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year 2019-20

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Effect of ZnO Nanoparticles on the seed Germination and Seedling growth of <i>Phaseolus unguiculatus</i> (L.) Walp. and <i>Aconitifolius Jacq.</i>	Smt. Chaitra Pandhari	ICABT (2019)	24 TH TO 26 TH DEC. 2019	International conference
Young Scientist Award for Oral presentation.	Arjun G Kalkhambkar Dr. Rajappa S. K.	Srinivasa University, Mangalore	18 th & 19 th , Oct-2019	International conference
Young Scientist Award for Oral presentation.	Arjun G Kalkhambkar Dr. Rajappa S. K.	Srinivasa University, Mangalore	18 th & 19 th , Oct-2019	International conference
Best Teacher Award "Rasayana Shikshaka Ratna:2019-20"	Dr. S. M. Tuwar	<i>M.M. Arts and Science College, Sirsi</i>	08-02-2020	Chem-Forum:2019-20
Young Scientist Award for Oral presentation.	Mr. Rathod	Srinivasa University, Mangalore	18 th & 19 th , Oct-2019	International conference

Research Publications

Departments	International	National	Avg. Imp. Fact. (If Any)
Botany	1	5	1.86
Chemistry	17	0	4.87
Geography	1	0	6.25
Geology	0	2	7.95
Physics	6	0	2.17
Zoology	0	2	0.23
BCA	1	0	0.1
Total	26	9	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Ethyl vanillin incorporated chitosan /poly (vinyl alcohol) active films for food packaging applications	Dr.(Smt). Saraswati P. Masti	Carbohydrate Polymers	2020	13	Karnatak Science College, Dharwad	25
Physico-chemical and functional properties of rutin induced chitosan /poly (vinyl alcohol) bioactive films for food packaging applications	Dr.(Smt). Saraswati P. Masti	Food Hydrocolloids	2020	13	Karnatak Science College, Dharwad	22
Design of eco-friendly PVA/TiO ₂ - based nanocomposites and their antifungal activity study	Dr.(Smt). Saraswati P. Masti	Green Materials	2019	13	Karnatak Science College, Dharwad	18
Dielectric relaxation in a cadmium chloride-	Dr. Blaise Lobo	Bulletin of	2019	10	Karnatak	8

doped polymeric blend		Materials Science			Science College, Dharwad	
Study of polycarbonate–bismuth nitrate composite for shielding against gamma radiation	Dr. Blaise Lobo	Journal of Radioanalytical and Nuclear Chemistry	2020	10	Karnatak Science College, Dharwad	7
Synthesis, characterization and photophysical studies on novel benzofuran-3-acetic acid hydrazide derivatives by solvatochromic and computational methods	Dr. G. H. Malimath	Journal of Molecular Structure	2019	9	Karnatak Science College, Dharwad	10
Effect of amino anilines on the fluorescence of coumarin derivative	Dr. (Smt). Nirupama J. M.	Journal of Luminescence	2019	5	Karnatak Science College, Dharwad	3
Facile access to libraries of diversely substituted 2-aryl-benzoxazoles /benzothiazoles from readily accessible aldimines via cyclization/cross coupling in imidazolium-ils with ...	Dr. Raj Kalkambkar	Tetrahedron Letters	2019	16	Karnatak Science College, Dharwad	10
1-Aryltriazenes in the Suzuki, Heck, and Sonogashira Reactions in Imidazolium-ILs, with [BMIM (SO ₃ H)][OTf] or Sc (OTf) ₃ as Promoter, and Pd (OAc) ₂ or NiCl ₂ ·glyme as Catalyst	Dr. Raj Kalkambkar	European Journal of Organic	2019	16	Karnatak Science College, Dharwad	7
Positron annihilation studies of free volume changes accompanying the incorporation of lead nitrate in PVA-PVP polymeric blend	Dr. Blaise Lobo	Radiation Physics and Chemistry	2019	10	Karnatak Science College, Dharwad	4

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Sl.No	Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
1	Synthesis, Molecular Modelling Studies and antimicrobial activity of Coumarin and 1-Azacoumarin linked 1,2,3-Triazole	R G Kalkhambkar	Chemical Data Collections	2020	12	10	Elsevier International Publishing
2	Electronic excitation energy transfer studies in binary mixtures of novel optoelectronically active 1,3,4-oxadiazoles and coumarin derivatives	G.H,Malimath	Chemical Physics Letters	2020	235	1	Elsevier International Publishing
3	Design, synthesis, antibiofilm, quorum sensing inhibition, anticancer and docking studies of novel 2-(4-acridine-9-ylamino) isoindoline-1, 3-dione	Kariyappa Katagi	Chemical Data Collection	2019	12	1	Elsevier International Publishing
4	Influence of Boswillic acid on Physical, Structural and Morphological Properties of poly (Vinyl Alcohol) films for active food packaging	Saraswati Masti	Chemical Data Collection	2020	12	17	Elsevier International Publishing
5	Taxonomic identity, occurrence of six species of Salacia and first report on chromosome numbers of the Salacia chinensis L. and Salacia oblonga Wall ex Wight and Ern Var. from Western Ghats of Karnataka (India)...	C G Patil	Genet Resour Crop Evol	2019	66	0	Springer International

6	Facile Access to Libraries of Diversely Substituted 2-Aryl-Benzoxazoles/Benzothiazoles from Readily Accessible Aldimines via Cyclization/Cross Coupling in Imidazolium-ILs with Pd(OAc) ₂ or NiCl ₂ (dppp) as Catalyst	R G Kalkhambkar	Tetrahedron Letters	2019	168	10	Elsevier International Publishing
7	Effects of stereo electronic factors of coumarin derivative during during their interaction with TiO ₂ Nanoparticles	J.M. Nirupama	journal of molecular liquids	2019	111	1	Elsevier International Publishing
8	Study of polycarbonate–bismuth nitrate composite for shielding against gamma radiation	Blaise Lobo	Journal of Radioanalytical and and Nuclear Chemistry	2020	67	7	Springer International
9	Design, synthesis, molecular docking, anti-proliferative and anti-TB studies of 2H-chromen-8-azaspiro[4.5]decane-7,9-dione conjugates	K S Katagi	Journal of Molecular Structure	2020	103	1	Taylor and Francis Group
10	Studies on the effect of temperature on dielectric relaxation , activatioOn energy, , enthalpy,entropy, and molecular interactions of some , phenol, and their binary mixtures using x-band microwave bench	G.H,Malimath	<i>Journal of Chemical Thermodynamics</i>	2020	88	2	Elsevier International Publishing