

**GOVERNMENT COLLEGE FOR WOMEN
KOLAR-563101**

Number of research papers per teachers in the Journals notified on UGC website during the last five years:

Sl.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object		
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
1	"Crystal structure of 7,8-benzocoumarin-4-acetic acid"	K. Ramakrishna Gowda	Physics	Acta Crystallographica Section E	2015-16	2056-989	https://journals.iucr.org/e/issues/2015/08/00/hb7471/	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
2	"Crystal structure of 2-(5-methoxy-1-benzofuran-3-yl)acetic acid"	K. Ramakrishna Gowda	Physics	Acta Crystallographica Section E	2015-16	2056-989	https://1library.net/document/yr3j01jy-crystal-structure-meth-oxy-benzofuran-acetic-acid.html	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
3	"Comparision Of Effective Atomic Numbers Of The Cancerous And Normal Kidney Tissue"	H.C.Manjunatha	Physics	Radiation Protection and Environment	2015-16	0972-046	http://www.rpe.org.in/text.asp?2015/38/3/83/169376	https://www.scopus.com/authid/detail.uri?authorId=15835349900	https://www.scopus.com/authid/detail.uri?authorId=15835349900
4	"Influence of gamma irradiation on conductivity of YBa2Cu3O7"	H.C.Manjunatha	Physics	Radiation Physics and Chemistry	2015-16	0969-806	https://www.researchgate.net/.../275836715_Influence_of_gamma_irradiation_on_cond...	https://www.scopus.com/sourceid/29513	https://www.scopus.com/sourceid/29513

5	structure of 7,8-benzocoumarin-4-acetic acid"	K. Ramakrishna Gowda	Physics	Acta Crystallographica Section E	2015-16	2056-989	https://www.ncbi.nlm.nih.gov/pubmed/26396827	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
6	structure of 2-(5-methoxy-1-benzofuran-3-yl)acetic acid"	K. Ramakrishna Gowda	Physics	Acta Crystallographica Section E	2015-16	2056-989	https://www.ncbi.nlm.nih.gov/pubmed/26870494	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
7	Mass attenuation coefficient and its photon interaction derivatives of some skeletal muscle relaxants	H.C.Manjunatha	Physics	Journal of Radiation and Cancer Research	2016-17		https://www.journalrcri.org/article.asp?issn=2588-9273;year=2016;volume=7;issue=1;page=18;epage=26;aulast=Manjunatha	https://www.scopus.com/authid/detail.uri?authorId=15835349900	https://www.scopus.com/authid/detail.uri?authorId=15835349900
8	."Study of Gamma Attenuation Properties of Tungsten Copper Alloys"	H.C.Manjunatha, Chandrika.B, M, , L. Seenappa	Physics	International Journal of Nuclear Energy Science and Technology (IJNEST)	2016-17	1741-636	https://www.inderscienceonline.com/doi/abs/10.1504/IJNEST.2016.082005	https://www.scopus.com/sourceid/5800179614	https://www.scopus.com/sourceid/5800179614
9	Theoretical prediction of probable isotopes of superheavy nuclei of Z = 122	H.C.Manjunatha	Physics	International Journal of Modern Physics A	2016-17	0217-979	https://www.worldscientific.com/doi/abs/10.1142/S0218301316501007	https://www.scopus.com/sourceid/28073	https://www.scopus.com/sourceid/28073

10	Empirical formula for mass excess of heavy and superheavy nuclei	H.C. Manjunatha, B.M Chandrika, L. Seenappa	Physics	Modern Physics Letters A	2016-17	0217-732	https://www.worldscientific.com/doi/abs/10.1142/S0217732316501625?journalCode=mpla	https://www.scopus.com/sourceid/29052	https://www.scopus.com/sourceid/29052
11	“Comparison of alpha decay with fission for isotopes of superheavy nuclei Z= 124”	H.C.Manjunatha	Physics	International Journal of Modern Physics E	2016-17	1793-660	https://www.worldscientific.com/doi/abs/10.1142/S0218301316500749	https://www.scopus.com/sourceid/29018	https://www.scopus.com/sourceid/29018
12	Bremsstrahlung dosimetric parameters of beta-emitting therapeutic radionuclides	H.C.Manjunatha	Physics	Radiation Effects and Defects in Solids	2016-17	1029-495	https://www.tandfonline.com/doi/abs/10.1080/10420150.2016.1188387	https://www.scopus.com/sourceid/29511	https://www.scopus.com/sourceid/29511
13	“Mass attenuation coefficient and its photon interaction derivables of some skeletal muscle relaxants”	H.C.Manjunatha	Physics	Journal of Radiation and Cancer Research	2016-17	0973-016	http://www.journalrcr.org/article.asp?issn=0973-0168;year=2016;volume=7;issue=1;spage=18;epage=26;aulast=Manjunatha	https://www.scopus.com/authid/detail.uri?authorId=15835349900	https://www.scopus.com/authid/detail.uri?authorId=15835349900
14	“Alpha decay properties of superheavy nuclei Z = 126”	H.C.Manjunatha	Physics	Nuclear Physics A	2016-17	0375-947	https://www.sciencedirect.com/science/article/abs/pii/S0375947415002213	https://www.scopus.com/sourceid/29083	https://www.scopus.com/sourceid/29083

15	"Study of Gamma Attenuation Properties of Tungsten Copper Alloys"	H.C.Manjunatha, Chandrika.B, M, , L. Seenappa	Physics	International Journal of Nuclear Energy Science and Technology (IJNEST)	2016-17	1741-636	https://www.inderscienceonline.com/doi/abs/10.1504/IJNEST.2016.082005	https://www.scopus.com/sourceid/5800179614	https://www.scopus.com/sourceid/5800179614
16	"2-(2-Amino-1,3-thiazol-4-yl)acetohydrazide"	K. Ramakrishna Gowda	Physics	IUCrData	2016-17	2414-314	http://iucrdata.iucr.org/x/issues/2016/08/00/hb4068/	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
17	"2-(6-Methyl-1-benzofuran-3-yl)acetic acid"	K. Ramakrishna Gowda	Physics	IUCrData	2016-17	2414-314	http://iucrdata.iucr.org/x/issues/2016/09/00/su4070/	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
18	"2-(4,6-Dimethyl-1-benzofuran-3-yl)acetic acid"	K. Ramakrishna Gowda	Physics	IUCrData	2016-17	2414-314	http://iucrdata.iucr.org/x/issues/2016/09/00/su4070/	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
19	2-(5-Methyl-1-benzofuran-3-yl)acetic acid"	K. Ramakrishna Gowda	Physics	, IUCrData	2016-17	2414-314	https://iucrdata.iucr.org/x/issues/2016/02/00/hb4014/	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
20	x-ray and gamma and gamma interaction parameters in Barium compounds	H.C.Manjunatha, L.Seenappa, B.M.Chandrika, Chikka Hanumantharayappa	Physics	Annals of Nuclear Energy	2016-17	0306-454	http://jrpr.org/journal/view.php?number=978	https://www.scopus.com/sourceid/29363	https://www.scopus.com/sourceid/29363

21	"spectral and attenuation studies of 204Tl bremsstrahlung in thick target barium compounds"	H.C.Manjunatha	Physics	Radiation Detection Technology and Methods	2016-17	2509-993	https://www.infona.pl/resource/bwmeta1.element.springer-doi-10_1007-S41605-017-0002-6	https://www.scopus.com/sourceid/21100921312	https://www.scopus.com/sourceid/21100921312
22	"A study of shielding properties of x-ray and gamma in Barium compounds"	L. Seenappa ,H.C. Manjunatha, B.M Chandrika	Physics	Journal of Radiation Protection and Research	2016-17	2508-188	http://jrpr.org/journal/view.php?number=978	https://www.scopus.com/sourceid/21101039080	https://www.scopus.com/sourceid/21101039080
23	'Energy distribution of electrons under axial motion in a quadrupole Penning trap'	DurgeshDatar , Dyavappa, B.M., Mahesh, B.L.Satyajith, K.T.,Sharath Ananthamurthy	Physics	Can. J. Phys	2016-17	1245-124	http://www.nrcresearchpress.com/doi/abs/10.1139/cjp-2016-0391#.Wzccqdlza1s	https://www.scopus.com/sourceid/27420	https://www.scopus.com/sourceid/27420
24	"Optimized Simulated Annealing SVM Classifier for Anomaly Intrusion Detection In Wireless Adhoc Network"	Murugan.K, P.Suresh	Computer Science	Australian Journal of Basic and Applied Science	2016-17	2309 -841	https://pdfs.semanticscholar.org/adc2/ee4917c084f5b4b0d2be80551f7d0274bb39.pdf?_ga=2.109017026.1192922551.1530353084-1609695233.1530093505	https://www.scopus.com/sourceid/17600155109	https://www.scopus.com/sourceid/17600155109

25	A study of probable alpha-ternary fission fragments of ^{257}Fm	H.C.Manjunatha, K.N.Sridhar, N.Sowmya L.Seenappa,	Physics	Journal of Radioanalytical and Nuclear Chemistry,	2016-17	1588-278	https://www.researchgate.net/publication/319560790_A_study_of_probable_alpha-ternary_fission_fragments_of_257Fm	https://www.scopus.com/sourceid/24060	https://www.scopus.com/sourceid/24060
26	“Study of gamma/X-ray interaction in Kondo insulators”	H.C.Manjunatha, L.Seenappa, ChikkaHanum antharayappa	Physics	X-ray Spectrometry	2016-17	1097-453	https://onlinelibrary.wiley.com/doi/full/10.1002/xrs.2809	https://www.scopus.com/sourceid/24571	https://www.scopus.com/sourceid/24571
27	Empirical formulae for mass attenuation and energy absorption coefficients from 1keV to 20MeV	H.C.Manjunatha, L.Seenappa, K.N.Sridhar, N.Sowmya, ChikkaHanum antharayappa	Physics	The European Physical journal D	2016-17	1434-606	https://link.springer.com/article/10.1140/epjd/e2017-70679-7	https://www.scopus.com/sourceid/27549	https://www.scopus.com/sourceid/27549
28	Photon interaction parameters of different tissues of human organs	H.C.Manjunatha, L.Seenappa, K.N.Sridhar, N.Sowmya, ChikkaHanum antharayappa	Physics	Defence Life Science Journal	2016-17	0011-748	https://pdfs.semanticscholar.org/023a/f3b5c1c968cbe1e4b552fb8b8b00374dc3f2.pdf	https://www.scopus.com/sourceid/21100967064	https://www.scopus.com/sourceid/21100967064

29	Survival and compound nucleus probability of super heavy element Z=117	H.C.Manjunatha, K.N.Sridhar	Physics	European Physical Journal A	2016-17	ISSN: 143	https://link.springer.com/article/10.1140/epja/i2017-12279-4	https://www.scopus.com/sourceid/28969	https://www.scopus.com/sourceid/28969
30	Study of gamma/X-ray interaction in some diodes and transistors	L. Seenappa, H.C.Manjunatha, K.N.Sridhar, Chikka Hanumantharayappa	Physics	International Journal of Nuclear Energy Science and Technology (IJNEST)"	2016-17	ISSN print	https://www.inderscienceonline.com/doi/abs/10.1504/IJNEST.2017.090659	https://www.scopus.com/sourceid/5800179614	https://www.scopus.com/sourceid/5800179614
31	Problems & Prospects of Quality	Manjula.K.R	Commerce	"Service quality dimensions in Higher Education"	2016-17	978-81-93	https://core.ac.uk/download/pdf/234681601.pdf	https://www.scopus.com/authid/detail.uri?authorId=35264312600	https://www.scopus.com/authid/detail.uri?authorId=35264312600
32	Optical and Physical Investigations of Lanthanum Bismuth Borate glasses doped with Ho ₂ O ₃	P Ramesh, G Jagannath , B Eraiah, M K Kokila	physics	Materials Science and Engineering	2017-18	0921-509	doi:10.1088/1757-899X/310/1/012032	https://www.scopus.com/authid/detail.uri?authorId=57201560073	https://www.scopus.com/authid/detail.uri?authorId=57201560073
33	Parameterization of fission barrier heights of medium, heavy and super heavy nuclei	H.C.Manjunatha	Physics	Indian Journal of Physics	2017-18	0973-145	https://link.springer.com/article/10.1007/s12648-017-1135-7	https://www.scopus.com/sourceid/145208	https://www.scopus.com/sourceid/145208

34	"A study of probable alpha-ternary fission fragments of ^{257}Fm "	H.C.Manjunatha, N.sowmya	Physics	Radioanalytical and Nuclear Chemistry	2017-18	1588-278	https://www.researchgate.net/publication/319560790_A_study_of_probable_alpha-ternary_fission_fragments_of_257Fm	https://www.scopus.com/sourceid/24060	https://www.scopus.com/sourceid/24060
35	Gamma, X-ray and neutron radiation shielding properties of Al, Si, K, Na, B and Pb polymer concretes	HC Manjunatha, L Seenappa	Physics	International Journal of Nuclear Energy Science and Technology	2017-18	1741-637	https://www.inderscience.com/info/inarticle.php?artid=95698	https://www.scopus.com/sourceid/5800179614	https://www.scopus.com/sourceid/5800179614
36	Study of gamma, X-ray and neutron shielding parameters of some alloys Gamma and X-ray radiation compatibility of Ti-Ta-Hf-Zr alloys used for coronary stent applications	L Seenappa, HC Manjunatha, BM Chandrika, KN Sridhar, ...	Physics	Indian Journal of Pure & Applied Physics	2017-18	0975-104	http://nopr.niscair.res.in/bitstream/123456789/44851/1/IJPAP%2056%288%29%20631-634.pdf	https://www.scopus.com/sourceid/28036	https://www.scopus.com/sourceid/28036

37	Gamma and X-ray radiation compatibility of Ti-Ta-Hf-Zr alloys used for coronary stent applications	L Seenappa, HC Manjunatha, KN Sridhar, C Hanumantharayappa	Physics	and Methods in Physics Research Section A: Accelerators	2017-18	0168-900	https://www.sciencedirect.com/science/article/abs/pii/S0168900217310562	https://www.scopus.com/sourceid/29067	https://www.scopus.com/sourceid/29067
38	Competition between spontaneous fission ternary fission cluster decay and alpha decay in the super heavy nuclei of Z=126	HC Manjunatha, KN Sridhar HC Manjunatha, N Sowmya	Physics	Nuclear Physics A	2017-18	0375-947	https://www.sciencedirect.com/science/article/abs/pii/S0375947417304141	https://www.scopus.com/sourceid/29083	https://www.scopus.com/sourceid/29083
39	Semi empirical formula for exposure buildup factors	L Seenappa, HC Manjunatha, KN Sridhar, C Hanumantharayappa	Physics	Radiation Effects and Defects in Solids	2017-18	1042-013	https://www.tandfonline.com/doi/abs/10.1080/10420150.2017.1393426	https://www.scopus.com/sourceid/29511	https://www.scopus.com/sourceid/29511
40	Empirical formulae for mass attenuation and energy absorption coefficients from 1 keV to 20 MeV	HC Manjunatha, L Seenappa, KN Sridhar, N Sowmya,	Physics	The European Physical Journal D	2017-18	1434-60	https://link.springer.com/article/10.1140/epjd/e2017-70679-7	https://www.scopus.com/authid/detail.uri?authorId=15835349900	https://www.scopus.com/authid/detail.uri?authorId=15835349900

41	'Dependence of the confinement time of an electron plasma on the Magnetic field in a Quadrupole Penning trap'	Dyavappa, B.M.,Durgesh Datar, Prakash, SharathAnanthamurthy	Physics	European Physical Journal D	2017-18	1434-606	https://link.springer.com/article/10.1140/epjti/s40485-017-00394	https://www.scopus.com/sourceid/27549	https://www.scopus.com/sourceid/27549
42	'Distribution of number and density of electrons in quadrupole Penning trap'	Dyavappa BM, SharathAnanthamurthy	Physics	Indian Journal of Science	2017-18	2319-774	https://link.springer.com/article/10.1140/epjti/s40485-017-00394	https://www.scopus.com/sourceid/21100201522	https://www.scopus.com/sourceid/21100201522
43	Semi-empirical formula for photon energy absorption buildup factors of elements and compounds	HC Manjunatha, L Seenappa, KN Sridhar	Physics	International Journal of Nuclear Energy Science and Technology	2018-19	1741-637	https://www.researchgate.net/publication/333255998_Semi-empirical_formula_for_photon_energy_absorption_buildup_factors_of_elements_and_compounds	https://www.scopus.com/sourceid/5800179614	https://www.scopus.com/sourceid/5800179614
44	A Study on the Synthesis of Superheavy Element Z= 125	KN Sridhar, HC Manjunatha, HB Ramalingam	Physics	Brazilian Journal of Physics	2018-19	1678-444	https://link.springer.com/article/10.1007/s13538-018-00631-8	https://www.scopus.com/sourceid/27404	https://www.scopus.com/sourceid/27404

45	Pocket formula for mass attenuation coefficient, effective atomic number, and electron density of human tissues	HC Manjunatha, L Seenappa KN Sridhar,	Physics	Nuclear Science and Techniques	2018-19	2210-314	https://link.springer.com/article/10.1007/s41365-019-0565-7	https://www.scopus.com/sourceid/29090	https://www.scopus.com/sourceid/29090
46	Studies on the synthesis superheavy element Z= 120	HC.Manjunatha, HB Ramalingam	Physics	Nuclear Physics A	2018-19	0375-947	https://www.sciencedirect.com/science/article/abs/pii/S0375947418304263	https://www.scopus.com/sourceid/29083	https://www.scopus.com/sourceid/29083
47	Empirical formula for bremsstrahlung cross-section in actinides	HC Manjunatha, L Seenappa, KN Sridhar	Physics	International Journal of Nuclear Energy Science and Technology	2018-19	1741-637	https://www.inderscience.com/info/inarticle.php?artid=106055	https://www.scopus.com/sourceid/5800179614	https://www.scopus.com/sourceid/5800179614
48	Selection of shielding materials for gamma/X-ray and neutron radiations among the commonly used polymers	N Nagaraja, HC Manjunatha, L Seenappa, KN Sridhar, HB Ramalingam	Physics	International Journal of Nuclear Energy Science and Technology	2018-19	1741-637	https://www.inderscience.com/info/inarticle.php?artid=106052	https://www.scopus.com/sourceid/5800179614	https://www.scopus.com/sourceid/5800179614
49	A Study of Binary Fission and Ternary Fission	N Sowmya, HC Manjunatha	Physics	Bulg. J. Phys 46, 16-27	2018-19	1314-266	https://www.sciencedirect.com/science/article/abs/pii/S0146641001001272	https://www.scopus.com/authid/detail.uri?authorId=56536818500	https://www.scopus.com/authid/detail.uri?authorId=56536818500

50	Synthesis of superheavy elements using 50, 51V-induced fusion reactions	HC Manjunatha, KN Sridhar, HB Ramalingam	Physics	Nuclear Physics A	2018-19	0375-947	https://www.sciencedirect.com/science/article/abs/pii/S0375947418303713	https://www.scopus.com/sourceid/29083	https://www.scopus.com/sourceid/29083
51	Search for possible fusion reactions to synthesize the superheavy element z=121	KN Sridhar, HC Manjunatha, HB Ramalingam	Physicss	Physical Review C	2018-19	2469-999	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.98.064605	https://www.scopus.com/sourceid/21100829284	https://www.scopus.com/sourceid/21100829284
52	Gamma, X-ray and neutron interaction parameters of Mg-Gd-Y-Zn-Zr alloys	L Seenappa, HC Manjunatha, BM Chandrika, KN Sridhar,	Physics	Radiation Physics and Chemistry	2018-19	0969-806	https://www.sciencedirect.com/science/article/abs/pii/S0969806X18301257	https://www.scopus.com/sourceid/29513	https://www.scopus.com/sourceid/29513
53	Gamma, X-ray and neutron shielding parameters for the Al-based glassy alloys	HC Manjunatha, L Seenappa, BM Chandrika, KN Sridhar,	Physics	Applied Radiation and Isotopes	2018-19	0969-804	https://www.sciencedirect.com/science/article/abs/pii/S0969804317310953	https://www.scopus.com/sourceid/40907	https://www.scopus.com/sourceid/40907
54	Investigations of the synthesis of the superheavy element z=122	KNSridhar, HC Manjunatha, N Sowmya	Physics	Physical Review C	2018-19	1089-490	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.98.024308	https://www.scopus.com/sourceid/21100829284	https://www.scopus.com/sourceid/21100829284

55	A study of energy absorption buildup factors of some steels	L Seenappa, HC Manjunatha, N Sowmya, KN Sridhar	Physics	Radiation Protection and Environment	2018-19	0972-0460	https://www.rpe.org.in/article.asp?issn=0972-0464;year=2018;volume=41;issue=3;page=123;epage=127;aulast=Seenappa	https://www.scopus.com/authid/detail.uri?authorId=57190841238	https://www.scopus.com/authid/detail.uri?authorId=57190841238
56	Investigation to synthesis more isotopes of superheavy nuclei Z= 118	HC Manjunatha, KN Sridhar	Physics	Nuclear Physics A	2018-19	0375-9477	https://www.sciencedirect.com/science/article/abs/pii/S03759477	https://www.scopus.com/sourceid/29083	https://www.scopus.com/sourceid/29083
57	Pocket formula for nuclear deformations of actinides	HC Manjunatha, KN Sridhar	Physics	Modern Physics Letters A	2018-19	0217-7322	https://www.worldscientific.com/doi/abs/10.1142/S0217732218500967	https://www.scopus.com/sourceid/29052	https://www.scopus.com/sourceid/29052
58	Bremsstrahlung shielding parameters in polymer concretes	HC Manjunatha, KN Sridhar, C Hanumantharayappa	Physics	Radiation Effects and Defects in Solids	2018-19	1029-4954	https://www.tandfonline.com/doi/abs/10.1080/10420150.2018.1462363	https://www.scopus.com/sourceid/29511	https://www.scopus.com/sourceid/29511
59	Decay modes of superheavy nuclei z=124	HC Manjunatha, N Sowmya	Physics	International Journal of Modern Physics E	2018-19	0218-3015	https://www.worldscientific.com/doi/abs/10.1142/S0218301518500416	https://www.scopus.com/sourceid/29018	https://www.scopus.com/sourceid/29018

60	Femtosecond nonlinear optical properties of heavy metal borate glasses studied using Z-scan technique	P. Ramesh, G. Jagannath, A.G. Pramod, K.N. Krishnakanth, S. Venugopal Rao, M.K. Kokila	physics	AIP conferences	2019-20	0094-243	https://doi.org/10.1063/1.5122417	https://www.scopus.com/authid/detail.uri?authorId=57201560073	https://www.scopus.com/authid/detail.uri?authorId=57201560073
61	Compositional dependence of red photoluminescence of Eu ³⁺ ions in lead and bismuth containing borate glasses	P. Ramesh, Vinod Hegde, A.G. Pramod, B. Eraiah, D.A. Agarkov, G.M. Eliseeva, M. K. Pandey, K. Annapurna, G. Jagannath, M.K. Kokila	physics	Solid State Sciences	2019-20	1293-25	http://www.elsevier.com/locate/sssce	https://www.scopus.com/sourceid/25326	https://www.scopus.com/sourceid/25326

62	Effect of Eu ³⁺ in tuning the ultrafast third-order optical nonlinearity in heavy metal borate glasses	P. Ramesh, Vinod Hegde, A.G. Pramod, B. Eraiah, S. Venugopal Rao, S. Shisina, Subrata Das, D.A. Agarkov, G.M. Eliseeva, G. Jagannath, M.K. Kokila	physics	Optical Materials	2019-20	0925-346	http://www.elsevier.com/locate/optmat	https://www.scopus.com/sourceid/12318	https://www.scopus.com/sourceid/12318
63	Pocket formula for mass excess of nuclei in the range 57Z103	HC Manjunatha, N Sowmya	Physics	Modern Physics Letters A	2019-20	0217-732	https://www.worldscientific.com/doi/10.1142/S0217732319501128	https://www.scopus.com/sourceid/29052	https://www.scopus.com/sourceid/29052
64	Beta-induced bremsstrahlung shielding parameters in various types of steels	HC Manjunatha, BM Chandrika	Physics	Radiation Effects and Defects in Solids	2019-20	1029-495	https://www.tandfonline.com/doi/abs/10.1080/10420150.2019.1619732	https://www.scopus.com/sourceid/29511	https://www.scopus.com/sourceid/29511
65	Studies on the synthesis of superheavy element Z= 123	KN Sridhar, HC Manjunatha, HB Ramalingam	Physics	Indian Journal of Physics	2019-20	0974-984	https://link.springer.com/article/10.1007/s12648-019-01517-4	https://www.scopus.com/sourceid/145208	https://www.scopus.com/sourceid/145208

66	Ti-Induced Fusion Reactions to Synthesis Superheavy Elements	HC Manjunatha, KN Sridhar	Physics	Brazilian Journal of Physics	2019-20	1678-444	https://www.researchgate.net/publication/331402066_Ti-Induced_Fusion_Reactions_to_Synthesis_Superheavy_Elements	https://www.scopus.com/sourceid/27404	https://www.scopus.com/sourceid/27404
67	Investigations on Ni64+ ZAnA → Z= 104–123 (SHN) A= 250–310 reactions	HC Manjunatha, KN Sridhar, N Sowmya	Physic	Nuclear Physics A	2019-20	0375-947	https://www.sciencedirect.com/science/article/abs/pii/S0375947419301125	https://www.scopus.com/sourceid/29083	https://www.scopus.com/sourceid/29083
68	“Investigations on the superheavy nuclei with magic number of neutrons and protons”	H. C. Manjunatha , N. Sowmya , N. Manjunath and L. Seenappa	Physic	International Journal of Modern Physics E	2019-20	0218-301	https://doi.org/10.1142/S0218301320500287	https://www.scopus.com/sourceid/29018	https://www.scopus.com/sourceid/29018
69	Uncertainties in the empirical formulae for alpha decay half-lives of heavy and superheavy nuclei	H C Manjunatha, L Seenappa, KN Sridhar	Physic	The European Physical Journal Plus	2019-20	2190-544	https://link.springer.com/article/10.1140/epjp/i2019-12838-0	https://www.scopus.com/sourceid/21100201754	https://www.scopus.com/sourceid/21100201754

70	Gamma and X-Ray Shielding Properties of Various Types of Steels	HC Manjunatha, L Seenappa	Physic	ASME J of Nuclear Rad Sci.	2019-20	2332-897	https://asmedigitalcollection.asme.org/nuclearengineering/article-abstract/5/4/044501/726338/Gamma-and-X-Ray-Shielding-Properties-of-Variou?redirectedFrom=fulltext	https://www.scopus.com/authid/detail.uri?authorId=15835349900	https://www.scopus.com/authid/detail.uri?authorId=15835349900
71	Systematic study of the decay properties of actinides	GR Sridhara, HC Manjunatha, KN Sridhar, HB Ramalingam	Physic	Praman	2019-20	0973-711	https://link.springer.com/article/10.1007/s12043-019-1845-9	https://www.scopus.com/sourceid/29642	https://www.scopus.com/sourceid/29642
72	A Detail Investigation on the Synthesis of Superheavy Element Z= 119	HC Manjunatha, KN Sridhar	Physic	Physics of Particles and Nuclei Letters	2019-20	1531-856	https://link.springer.com/article/10.1134/S2FS1547477119060487	https://www.scopus.com/sourceid/4700152462	https://www.scopus.com/sourceid/4700152462
73	A study of X-ray, gamma and neutron shielding parameters in Si-alloys	HC Manjunatha, KV Sathish, L Seenappa, D Gupta, SAC Raj	Physic	Radiation Physics and Chemistry	2019-20	0969-806	https://www.sciencedirect.com/science/article/abs/pii/S0969806X19303081	https://www.scopus.com/sourceid/87326	https://www.scopus.com/sourceid/87326
74	“Investigations on the Synthesis and Decay Properties of Roentgenium”	N SowmyaH.C. Manjunatha	Physics	Brazilian Journal of Physics	2019-20	1353-802	https://link.springer.com/article/10.1007/s13538-020-00747	https://www.scopus.com/sourceid/27404	https://www.scopus.com/sourceid/27404

75	Investigations on Different Decay Modes of Darmstadtium	N Sowmya H.C.Manjunatha,	Physics	Physics of Particles and Nuclei Letters	2019-20	1531-856	https://www.researchgate.net/publication/342369968_Investigations_on_Different_Decay_Modes_of_Darmstadtium	https://www.scopus.com/sourceid/4700152462	https://www.scopus.com/sourceid/4700152462
76	Semiempirical formula for fusion barriers of nuclei with $1 \leq Z \leq 20$	H. C. ManjunathaSridhar, K. N	Physics	Indian Journal of Physics,	2019-20	0973-145	https://link.springer.com/article/10.1007/s12648-020-01756-w	https://www.scopus.com/sourceid/145208	https://www.scopus.com/sourceid/145208
77	“Comparision Of Effective Atomic Gamma, X-ray and neutron shielding properties of boron polymers	NNagarajaa,b, H C Manjunathac, LSeenappac, KV Sathishc,KNSridhara,b& HB Ramalingam	Physics	Indian Journal of Pure & Applied Physics	2019-20	1234-567	http://nopr.niscair.res.in/bitstream/123456789/54498/1/IJPAP58(4)271-27	https://www.scopus.com/sourceid/28036	https://www.scopus.com/sourceid/28036
78	Pocket formula for alpha decay energies and half-lives of actinide nuclei	Manjunatha, H. C.; Sridhar, G. R Ramalingam, H. B.	Physics	Zeitschrift für Naturforschung A	2019-20	1865-710	https://www.degruyter.com/view/journals/zna/75/6/article-p501.xml	https://www.scopus.com/authid/detail.uri?authorId=15835349900	https://www.scopus.com/authid/detail.uri?authorId=15835349900

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80	Investigations on 54-60Fe + 238-244Pu → 296-302120 fusion reactions	HC Manjunatha, L Seenappa, N Sowmya, KN Sridhar	Physics	Canadian Journal of Physics	2019-20	1208-604	https://www.researchgate.net/publication/340495510_Investigations_on_54-60Fe_238-244Pu_296-302120_fusion_reactions	https://www.scopus.com/sourceid/27420	https://www.scopus.com/sourceid/27420
81	Atlas of cluster radioactivity in actinide nuclei	Manjunatha, H. C.; Sridhar, G. R Ramalingam, H. B.	Physics	The European Physical Journal Plus	2019-20	2190-544	https://link.springer.com/article/10.1140/epjp/s13360-020-00302-1	https://www.scopus.com/sourceid/21100201754	https://www.scopus.com/sourceid/21100201754
82	Proton decay of actinide nuclei	MG Srinivas, HC Manjunatha, KN Sridhar, N Sowmya, AC Raj	Physics	Nuclear Physics A	2019-20	ISSN 0375	https://www.sciencedirect.com/science/article/abs/pii/S0375947419302647	https://www.scopus.com/sourceid/29083	https://www.scopus.com/sourceid/29083

83	Competition between binary fission, ternary fission, cluster radioactivity and alpha decay of 281Ds	N Sowmya, HC Manjunatha, N Dhananjaya, AM Nagaraja	Physics	Journal of Radioanalytical and Nuclear Chemistry	2019-20	1588-278	https://www.researchgate.net/publication/335167092_Competition_between_binary_fission_ternary_fission_cluster_radioactivity_and_alpha_decay_of_281Ds	https://www.scopus.com/sourceid/24060	https://www.scopus.com/sourceid/24060
84	Semi-empirical formula for alpha and cluster decay half-lives of superheavy nuclei	HC Manjunatha, N Sowmya, AM Nagaraja	Physics	Modern Physics Letters A	2019-20	1793-663	https://www.worldscientific.com/doi/10.1142/S021773232050169	https://www.scopus.com/sourceid/29052	https://www.scopus.com/sourceid/29052
85	Evaporation residue cross section to synthesize superheavy element Z= 119	HC Manjunatha, KN Sridhar, N Sowmya	Physics	Indian Journal of Pure & Applied Physics	2019-20	0975-104	http://nopr.niscair.res.in/handle/123456789/54757	https://www.scopus.com/sourceid/28036	https://www.scopus.com/sourceid/28036
86	Investigations on the superheavy nuclei with magic number of neutrons and protons	HC Manjunatha, N Sowmya, N Manjunath ,L Seenappa	Physics	International Journal of Modern Physics E	2019-20		https://www.worldscientific.com/doi/abs/10.1142/S0218301320500287?journalCode=ijmpe	https://www.scopus.com/sourceid/29018	https://www.scopus.com/sourceid/29018

87	Competition Between Different Decay Modes of Superheavy Element Z= 116 and Synthesis of Possible Isotopes	N Sowmya, HC Manjunatha	Physics	Brazilian Journal of Physics	2019-20	1678-444	https://link.springer.com/article/10.1007/s13538-019-00710-4	https://www.scopus.com/sourceid/27404	https://www.scopus.com/sourceid/27404
88	Semi-empirical formula for alpha and cluster decay half-lives of superheavy nuclei	H.C.Manjunatha, N.Sowmya	Physics	Modern Physics Letters A	2019-20	0217-732	https://doi.org/10.1142/S0217732320500169	https://www.scopus.com/sourceid/29052	https://www.scopus.com/sourceid/29052