



# Holy Cross College (Autonomous)

Nagercoil – 629 004

Affiliated to Manonmaniam Sundaranar University, Tirunelveli  
Nationally Accredited with A+ Grade (CGPA 3.35) by NAAC IV Cycle  
An ISO 9001:2015 Certified Institution

SSR  
2019-2020  
to  
2023-2024

## 3.4.5 Bibliometrics of the Publications during the last five years based on average Citation Index in Scopus/ Web of Science

### Number of Research Papers Published in Scopus/ Web of Science - 25

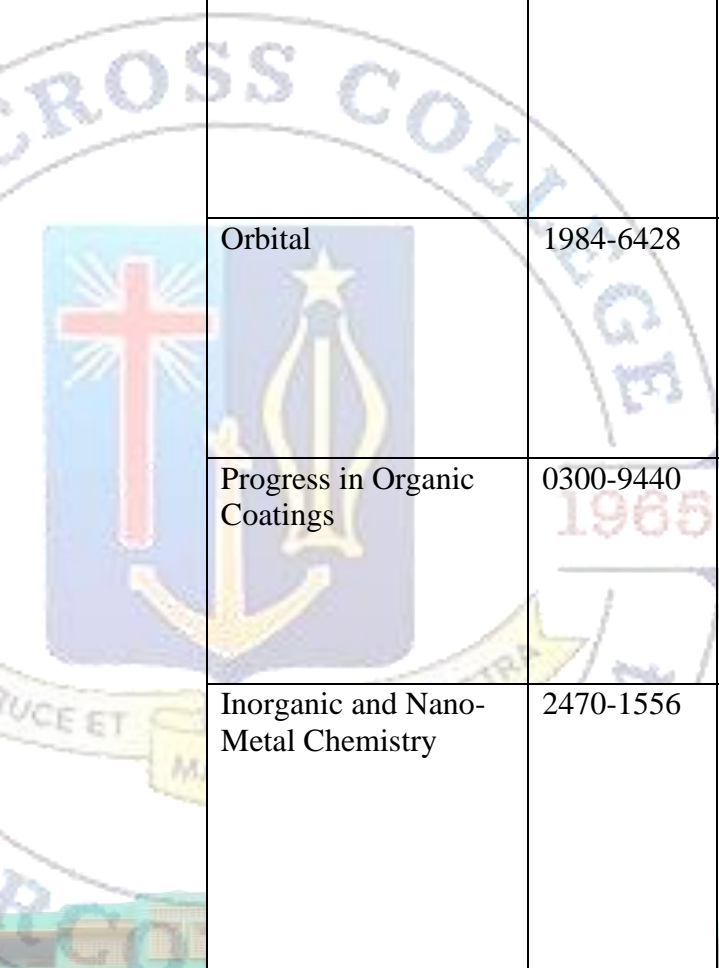
S. No	Name of the Department	Total Number of Papers Published in Scopus indexed Journals	Total Number of Papers Published in Web of Science indexed Journals	Total Number of Papers Published in Scopus and Web of Science indexed Journals
1	Mathematics	5	-	-
2	Mathematics SF	1	-	-
3	Physics	-	-	7
4	Chemistry	4	-	-
5	Botany	-	-	1
6	Zoology	1	1	1
7	English	3	-	-
8	Commerce	1	-	-
<b>Total</b>		<b>15</b>	<b>1</b>	<b>9</b>

## NAAC V Cycle Self Study Report (SSR)

S. No	Name of the Faculty	Title of the Article	Department	Name of the Journal	ISSN Number	Nature of the Journal Scopus/ Web of Science	Citation Index in Scopus	Citation Index in Web of Science
1.	Dr. K. Jeya Daisy	Zk- Magic Labelling of Star of Graphs	Mathematics	Proyecciones	0716-0917	Scopus	4	-
2.	A. Jancy Vini	Results on Relatively Prime Domination Number of Vertex Switching of Complement Graphs	Mathematics	Advances in Mathematics: Scientific Journal	1857-8365	Scopus	-	-
3.	Dr. M. K. Angel Jebitha	Operations on some Star Related Perfect Mean Cordial Graphs		Advances in Mathematics: Scientific Journal	1857-8365	Scopus	-	-
4.	Dr. M. K. Angel Jebitha	The Domination Uniform Subdivision Number of $GK_1$		Advances in Mathematics: Scientific Journal	1857-8365	Scopus	-	-
5.	Dr. V. M. Arul Flower Mary	2- Dominating Sets and 2-Domination Polynomial of Paths		Journal of Shanghai Jiaotong University (Science)	1007-1172	Scopus	-	-
6.	Dr. C. Jenila	Ideal Theory in Near-Semirings and its Application to Automata		Mathematics S.F	Advances in Mathematics: Scientific Journal	1857- 8365	Scopus	2



## NAAC V Cycle Self Study Report (SSR)

7.	S. Sebastiammal and Dr. A. Lesly Fathima	Curcumin-Encased Hydroxyapatite Nanoparticles as Novel Biomaterials for Antimicrobial, Antioxidant and Anticancer Applications: A Perspective of Nano-Based Drug Delivery	Physics	Journal of Drug Delivery Science and Technology	1773-2247	Scopus and Web of Science	36	34
8.	Dr. C. Nirmala Louis	Electronic Band Structure, Density of States, Phase Transitions, Metallization and Superconducting Transition of KBr under High Pressure		Orbital	1984-6428	Scopus and Web of Science	1	1
9.	Dr. R. Krishna Priya	Fabrication and Modelling of Prototype Bike Silencer using Hybrid Glass and Chicken Feather Fiber/ Hydroxyapatite Reinforced Epoxy Composites		Progress in Organic Coatings	0300-9440	Scopus and Web of Science	13	11
10.	S. Virgin Jeba, Sebastiammal, Dr. S. Sonia and Dr. A. Lesly Fathima	Synthesis, Growth Mechanism and Photocatalytic Properties of Nickel Oxide (NiO) Nanoflower: A Hydrothermal Process		Inorganic and Nano-Metal Chemistry	2470-1556	Scopus and Web of Science	6	6



## NAAC V Cycle Self Study Report (SSR)

11.	Dr. S. J. Jenepha Mary	Quantum Chemical Insight into Molecular Structure, Spectroscopic (FT-IR, FT-Raman, UV-vis, NMR), and Molecular Docking of 3,5-di-tert-butyl-2-hydroxybenzaldehyde		Chemical Data Collections	2405-8300	Scopus and Web of Science	2	-
12.	Dr. S. J. Jenepha Mary	Molecular Structure Elucidation, Charge Transfer Interactions, Electronic Properties, Vibrational Spectral Investigation and Molecular Docking of the Antiviral Active Molecule (E)-4-[1-(2carbamothioylhydrazinylidene)ethyl]-phenyl benzoate dimer - Aided by Density Functional Theory		Spectroscopy Letters	0038-7010	Scopus and Web of Science	-	-
13.	Ms. M. Abila Jeba Queen and Ms. P. Aji Udhaya	Spectroscopic Investigation of Supramolecular Organometallic Compound L-threonine Cadmium Acetate Monohydrate		Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	1386-1425	Scopus and Web of Science	9	-
14.	Dr. M. Anitha Malbi	Antidiabetic Activity of Chelating Tris n-Methylethylenediamine Iron Complex	Chemistry	Drug Invention Today	0975-7619	Scopus	-	-

## NAAC V Cycle Self Study Report (SSR)

15.	Dr. S. Lizy Roselet	An Investigation on Host-Guest Complexation of Metformin Hydrochloride with Hydroxypropyl- $\alpha$ -Cyclodextrin for Enhanced Oral Bioavailability		Materials Today: Proceedings	2214-7853	Scopus	4	3
16.	Dr. Sheeba Daniel	Vegetable Peel Extract Mediated Synthesis of Silver Nanoparticles and its Antimicrobial Activities		Research Journal of Chemistry and Environment	0972-0626	Scopus	1	-
17.	Dr. Sheeba Daniel	In Vitro Study of Ruthenium(II)-Phenanthroline-Phendione Complex on SK-MEL-28 and L6 Cell Lines		Journal of Xi'an Shiyou University, Natural Sciences Edition	1673-064X	Scopus	-	-
18.	N. Benit	In-Vitro Antibacterial, Antioxidant Potentials and Cytotoxic Activity of the Leaves of <i>Tridax Procumbens</i>	Botany	Saudi Journal of Biological Science	1319-562X	Scopus and Web of Science	19	-
19.	Dr. Jeni Chandar Padua	In Vivo Toxic and Teratogenic Effects of Biologically Synthesized Silver Nanoparticles in the Embryos of the Zebrafish, <i>Danio Rerio</i>	Zoology	Egyptian Academic Journal of Biological Sciences B. Zoology	2090-0759	Web of Science	-	-



## NAAC V Cycle Self Study Report (SSR)

20.	Dr. J. Vinoliya Josephine Mary and Dr. S. Mary Mettilda Bai	Characterization of a Novel O-Acetyl Sialic Acid Specific Lectin from the Hemolymph of the Marine Crab, <i>Atergatis Integerrimus</i> (Lamarck, 1818)		Fish and Shellfish Immunology	1050-4648	Scopus and Web of Science	6	-
21.	Dr. S. Mary Mettilda Bai and Dr. M. R. Basil Rose	Purification and Characterization of Hemolymph Lectin of Freshwater Crab, <i>Lamella Lamellifrons</i> (Alcock, 1909)		Annals of Tropical Medicine and Public Health	1755-6783	Scopus	2	-
22.	Dr. M. F. Anne Feril	Dystopian Society: Thwarted Life in Mahesh Dattani's <i>Clearing the Rubble</i>	English	Journal of X'ian University of Architecture and Technology	1006-7930	Scopus	-	-
23.	Dr. Selva Mary Gokila S. George	Destructive Desire in Kazuo Ishiguro's <i>When We were Orphans</i>		Journal of X'ian University of Architecture and Technology	1006-7930	Scopus	-	-
24.	Dr. R. Abilasha	Original Research Papers: Ways and Means to Hone the Art of Writing		Journal of Xi'an University of Architecture and Technology	1006-7930	Scopus	-	-
25.	Dr. Sr. S. Sahayaselvi	Green Packaging: A Practice to Sustainable Management in Consumer Perspective	Commerce	Journal of Critical Reviews	2394-5125	Scopus	-	-