



DEPARTMENT OF CHEMISTRY

**SECAB INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAPUR-
586109. KARNATAKA. INDIA.**

Research Centre Details

Sl. No	Name of the Research Centre	Year of Establishment
1.	Applied Chemistry	2013

Ph.D Registrations

Sl. No	Name of the Research Guide	Name of the Research Scholar	Year of Registration
1.	Dr. Irfan Ahmed N Shaikh	Mr. Umarfarooq Bagwan	2013-14
		Mr. Shrishail Kumar	2016-17
		Ms. Savita Kate	2018-19

Faculty Research

1. Faculty Research Areas

Sl. No.	Faculty Name	Research Area
1.	Dr. Irfan Ahamed N. Shaikh	Organic Chemistry, Polymer Chemistry, Material Science, Nanoscience, Natural Products, Biofuels, Medicinal Chemistry, Chemical Kinetics.
2.	Mr. Umarfarooq Bagwan	Chemical Kinetics, Nanomaterials

2. Ph. D. Registrations

Sl. No.	Faculty Name	Title of the Research Work	Research Centre	Year of Registration
1.	Mr. Umarfarooq Bagwan	Kinetics and Reaction Mechanism of some Redox Reactions	SECAB Institute of Engineering & Technology, Vijaypur	2013-14
2.	Mr. Shrishail Kumar	Sustainable biodiesel synthesis <i>via</i> esterification using catalyst from unusual fatty acids	SECAB Institute of Engineering & Technology, Vijaypur	2016-17
3.	Mrs. Savita Kate	Synthesis of Metal Oxide Nanoparticles and their	SECAB Institute of Engineering & Technology, Vijaypur	2018-19

3. Publications

Sl. No.	Author's Name	Paper Title	Journal Name with ISSN	Year
1.	Irfan N. Shaikh , Umar F. Bagwan, Imran N. Shaikh, Shirajahammad Hunagund, Mohammed Afzal.	Cu-catalyzed rapid synthesis of fluorinated Indole derivatives under Microwave irradiation.	Chemistry Africa, 2018. Springer Publication (In Press)	2018
2.	Umar F. Bagwan, Amit Terdale, Irfan N. Shaikh , Abdul-Aziz Khan Harihar.	Multiplicative Zagreb indices and coindics of some derived graphs Kinetic Effect of Novel Osmium (VIII) for the Oxidation of Pyrazinamide by Copper (III) Complex and their Mechanistic Aspects.	Chemistry Africa, 2018. Springer Publication (In Press)	2018
3.	Irfan N. Shaikh , Kallappa M. Hosamani, Mahantesh M Kurjogi.	Synthesis of new α -aminonitrile based benzimidazole biomolecules as potent antimicrobial and anti-tubercular agents, their DNA cleavage studies	Arch. Pharm. Chem. Life Sci. 2018, e1700205 Wiley-VCH Publication. Impact Factor – 2.288	2018
4.	Shambulig Karabasannavar, Parvati Allolli, Irfan N. Shaikh , B.M. Kalshetty.	Synthesis, characterization and antimicrobial activity of some metal complexes derived from thiazole Schiff Bases with <i>In-vitro</i> cytotoxicity and DNA cleavage studies.	Indian Journal of Pharmaceutical Education & Research, 2017, 51, 490-501. Impact Factor – 0.27	2017

5.	Umarfarooq R Bagwan, A.L Harihar, S. D Lamani, Irfan N Shaikh , A.B. Teradale.	Uncatalyzed Oxidation of Anti Tuberculosis drug, Pyrazinamide by Cu(III) Complex in Aqueous Alkaline Media: A Kinetic Approach.	Research Journal of Pharmaceutical Bio. & Chem. Science, 2017, 8(1), 1015-1026. Impact Factor – 0.35	2017
6.	Mohammed Afzal, P.S.Naik, L.I.Nadaf, Irfan N. Shaikh .	SnO ₂ -Surfactant Composite Films for Superior Gas Sensitivity.	International Journal of Applied Physics, 2016, 3, 1-5. (SSRG Publication) Impact Factor – 0.4	2016
7.	K.M Kotraswamy, Irfan N. Shaikh , S.R. Ankalgi, R.F. Ankalgi, Imran N. Shaikh.	Studies on industrially important Guttiferae and Palmae family.	Journal of Pharmacogonosy & Phytochemistry, 2016; 5(6): 194-198. Akinik Publications.	2016
8.	Irfan N. Shaikh , Umar F. Bagwan, Mahantesh M. Kurjogi, K. M. Hosamani.	Antimicrobial and anti-inflammatory activity of Schiff-base derivatives containing benzimidazole moiety.	European Journal of Pharmaceutical & Medical Res. 2016, 3(7), 457-462.	2016
9.	V.U. Vernekar, K. M. Hosamani*, Irfan N. Shaikh and Kavitha C.S.	PTA (H ₃ PO ₄ 12WO ₃ xH ₂ O): An eco-friendly catalyst for the synthesis of new Schiff-bases containing benzimidazole moiety.	Arabian Journal of Chemistry (2016) 9, S663–S667. Elsevier Publication, Impact Factor – 4.55	2016