

Curriculum Vitae



Dr. Kundan Chokhaji Patil

M.Sc. (Physics), SET, Ph.D

Professor and Head

Department of Physics,

Janata Mahavidyalaya Chandrapur- 442401

(Maharashtra) India.

Educational Qualifications

- 1.High School ,Maharashtra Board Nagpur, India**
- 2.H.Sc, Maharashtra Board Amravati, India**
- 3.B.Sc. Amravati University, Maharashtra, India**
- 4.M.Sc. Amravati University, Maharashtra, India specialization in Solid State Physics and digital electronics, Microprocessor fortran-77**
- 5.State eligibility test (SET), UGC, India**
- 6. Ph.D, R. T. M. Nagpur University Nagpur**

Teaching Experience (21 Years)

Topics covered at U.G. and P.G. level

U.G. Level: Nuclear Physics, Quantum mechanics, Electricity and magnetism, Semiconductor physics, E. M. Theory, Optics, Solid State physics, optics, Digital electronics

P.G. Level: Atomic and Molecular Physics, Statistical Physics, Electrodynamics, Electronics

Expertise of hundred experiments handled at U.G. and P.G. level.

Research Experience

Ten years research experience in materials characterization with the ultrasonic technique.

List of research papers published

Research paper published in peer reviewed/International/National/Scopus/UGC journals:

19

1. Density, Viscosity and Ultrasonic Velocity Studies of Aqueous Sodium-Propionate at Different Temperatures

K.C. Patil and Priyanka Manusmare

Journal of Applicable Chemistry

ISSN: 2278-1862

2019, 8, (3):1385-1393

2. Volumetric, ultrasonic and viscometric studies on L-lysine mono-hydrochloride in aqueous medium at different temperatures

K.C. Patil and Arti Gowardipe

International Journal of Research in Advent Technology,

E-ISSN: 2321-9637

2019, 7(4), 453-458

3. Acoustical Studies of Aqueous Solution of D (+)-Galactose at Different Temperature

K.C. Patil and Sneha Bakshi

Journal of Applicable Chemistry

ISSN: 2278-1862

2019, 8, (3):1295-1301

4. Physicochemical Properties of Aqueous Solution of L-Glutamic Acid monosodium Salt: A Thermo-Acoustic Approach

K.C. Patil and Archita Sardar

Journal of Chemical and Pharmaceutical Research

ISSN: 0975-7384 CODEN (USA): JCPRC5

2018, 10(9): 1-7

5. Acoustic and Viscometric Studies on Aqueous N-1-Naphthyl Ethylene Diamine Dihydrochloride

K. C. Patil and A. D. Dakhane

Journal of Applicable Chemistry

ISSN: 2278-1862

2018, 7 (5): 1434-1441

6. Physical Characterization of Triethylamine Hydrochloride Aqueous Solution in Relation to Acoustic and Viscometric Parameters at 298.15K and 300.15K

K. C. Patil and P. S. Jogi

Journal of Applicable Chemistry

ISSN: 2278-1862

2018, 7 (5): 1404-1409

7. Physical properties of diethylamine hydrochloride aqueous solution at 298.15K and 300.15K: A thermo-acoustic approach

K. C. Patil

International Journal of Advance and Innovative Research

ISSN: 2394-7780 2394

Volume 5, Issue 3 (VII): July - September, 2018- 7780

8. Thermodynamic Properties of Methylamine Hydrochloride in aqueous medium at 298.15K and 300.15K

K. C. Patil and Vandana S. Singh

International Journal of Research in Advent Technology

E-ISSN: 2321-9637

Vol.6, No.7, July 2018

9. Physico-Chemical investigations on L-Serine in aqueous salt at different temperature range $T=(288.15 \text{ to } 303.15)\text{K}$

V.A Giratkar, R. B. Langewar, S. M. Gadegone, K.C.Patil

Journal of Chemical, Biological and Physical Sciences

Section C Physical Sciences

E-ISSN: 2249-1929

JCBPS, Section C, May 2017-July 2017, Vol 7, No 3, 661-676

10. Thermo-acoustic investigation on L-Valine in aqueous salt

V.A Giratkar, R. B. Langewar, S. M. Gadegone, K.C.Patil

Journal of Chemical, Biological and Physical Sciences

Section C Physical Sciences

E-ISSN: 2249-1929

JCBPS, Section C, May 2017-July 2017, Vol 7, No 3, 615-630

11. Acoustical and viscometric studies of Gentamicin sulphate in aqueous Medium.

K. C. Patil and C. M. Dudhe

ISSN 0975-413X

CODEN (USA): PCHHAX

Der Pharma Chemica, 2016, 8(20):227-233

12. Effect of sodium chloride on amino acid at different temperature

Sonu R. Dhumane, Nita S. Ramteke and K. C. Patil

International journal of researches in biosciences, agriculture and technology

ISSN 2347 – 517X,

I J R B A T, Special Issue Feb 2016: 38-41

13. Studies on thermodynamic properties of streptomycin aqueous solutions From T= (298.15 to 308.15) K

K. C. Patil and C. M. Dudhe

ISSN 0975-413X

CODEN (USA): PCHHAX

Der Pharma Chemica, 2015, 7(9):239-249

14. Molecular interaction study of aqueous solution of an aminoglycoside antibiotic Neomycin at 298.15 to 308.15 K

K. C. Patil and C. M. Dudhe

ISSN 0975-413X

CODEN (USA): PCHHAX

Der Pharma Chemica, 2015, 7(12):219-226

15. Physico-Chemical Properties of Aqueous Alendronate Sodium through Ultrasonic Investigation at 300K and 303K.

K. C. Patil, C. M. Dudhe

ISSN (Online): 2319-7064, Impact Factor (2013): 4.438

International Symposium on Ultrasonics-2015, 22-24 January 2015

16. Study of molecular interactions of aqueous Vancomycin hydrochloride through ultrasonic investigation at 300K and 303K

K. C. Patil & C. M. Dudhe

International Journal of Research in Physical Chemistry

ISSN 2320–3919

Received 01 February 2014; accepted 19 February 2014

17. Thermo acoustical investigation of Promethazine hydrochloride

K.C.Patil and V.D.Umare

International Journal of Research in Pure and Applied Physics

ISSN 2278 -134X

Received 01 September 2012; accepted 17 September 2012

18. Viscosity, Free volume and Internal pressure of aqueous Promethazine Hydrochloride

C. M. Dudhe & K. C. Patil

International Journal of Pharmacy and Pharmaceutical Science Research

ISSN: 2249-0337

Received 10 October 2012; accepted 09 November 2012

19. Kaleidoscopic survey of reservation policy in India

Vision 2056, conference organized by DBATA, Gondwana university Gadchiroli

Research Project completed

1. Ultrasonic investigation of some water soluble life saving drugs

Funding Agency-UGC, duration Two years

Amount 160000=00

Books Published

Number of Books published- 06

1. Fundamentals of fiber optic, Digital electronics and Communications

J.V. Publications Chandrapur, 2015

ISBN-978-81-930389-1-8

Year: 2016

2. Vector analysis and electrostatics

Pragati Prakashan Meerut

ISBN-938715162-X

Year: 2018

3. Magnetostatics and Electromagnetic waves

Pragati Prakashan Meerut

ISBN-938715159-X

Year: 2018

4. Thermal physics, radiation and statistical physics

Pragati Prakashan Meerut

ISBN-9387812687-1

Year: 2018

5. Mechanics Relativity Gravitation Oscillation and Properties of matter

Pragati Prakashan Meerut

ISBN-938781291-X

Year: 2018

6. PHYSICS Lab Manual

National Publisher

ISBN-9789353912086

Year: 2019