

Dr.SMITHA T.R.

Assistant Professor of Chemistry

International Publications – 07

Conferences -07

ADMINISTRATIVE DISTINCTION

- Chief Superintendent of Examinations from 2024 onwards
- Member, Magazine Advisory Committee
- Member, Sree Narayana Study Centre
- Convenor, Student Grievances and Redressal Cell 2022 onwards

PUBLICATIONS

1. **SMITHA T.R.**, SARUNKUMAR T.R . AND K.H.PREMA, published a paper entitled “Synthesis of Polyaniline- γ -Fe₂O₃ nano composites in Green Medium - Theoretical Justification of Electrical and Magnetic Properties” in the International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 06 Issue: 03 | March - 2022 ISSN: 2582-3930
2. **Smitha T.R.**, Thushara Bhadrán, Vaishali Sankher and Prema K.H “Theoretical verification of Dielectric and Magnetic properties of Polyaniline-Nickel ferrite nano Composites Synthesized in Green medium extracted from the fruit of Tamarindus Indica” published in the Asian Journal of Chemistry, Vol. 32, No. 3 (2020), 646-652.
3. **Smitha T.R.**, Thushara Bhadrán, Vaishali Sankher and Prema K.H “Magnetic and Dielectric Characterization of PANI-Cobalt ferrite nano composite Synthesized via green medium” , Int.J.Adv.Res., 7(5), 1152-1159, June 2019.
4. **Smitha T.R.**, Mamta Binoy and Prema K.H., " Comparative Study On The Dc Conductivity And Optical Properties Of Polyaniline Synthesized In Different Green Solvents" Int.J.of Current Advanced 14323-14325, July 2018
5. Sarun Kumar T.R, **Smitha T.R.** and Prema K.H, published a paper Polyaniline synthesized in green medium Averrhoa bilimbi fruit extra



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QUALIFICATIONS:

M.Sc., BEd,NET, Ph.D.

DATE OF JOINING:

03.01.2011

EXPERIENCE IN YEARS:

14 years

AREA OF RESEARCH:

Polymer Nanocomposites

- Engineering, Science and Mathematics , Vol. 7 Issue 7, July 2018,
6. Sarun Kumar T.R, **Smitha T.R.** and Prema K.H, published a paper entitled “Adsorption of Iodine on Polyaniline synthesized via green medium and its characteristics” International Research Journal of Natural and Applied Sciences, Volume 4, Issue 6, June 2017
 7. **Smitha T.R.**, Yadhu Krishnan, Shine Chandran, Nazeeha Usman, Parameswaran P.S and Prema K.H, “Processability, Mechanical and Magnetic Studies on Natural Rubber-Ferrite Composites”, International Journal of Chemical Studies, 3, 15-22, 2015.ISSN – 2321-4902.Impact factor: 0.234.

LIST OF CONFERENCE PAPERS (PUBLISHED / PRESENTED)

1. **Smitha T.R.**, Raji R Krishnan, Prema K.H., and Parameswaran P.S, “Structural and Dielectric Characterisation of Polyaniline-Fe₂O₃ Composites”, Swedeshi Science Congress, 2014 November.
2. Smitha T.R, Raji R Krishnan, Parameswaran P.S and PremaK.H, “Synthesis and Characterization of Pani-NiFe₂O₄ Composites”, Oral presentation in the Kerala Science Congress, 2015 January.
3. Smitha T.R, Sambhu R, Christy Augustine P.A.,. and Prema K.H. “Effect of Nano Zinc Oxide on Cure Characteristics of Natural Rubber Vulcanisates” Oral presentation in the UGC sponsored National Seminar at SN College, Chengannur Alappuzha, 2015.
4. Smitha T.R, Christy Augustine P.A, Sambhu R, Parameswaran P.S. and Prema K.H. “Modification of Cure Characteristics of NR compounds using Nano ZnO” Poster presentation in the International Conference on Advances in Polymer Technology at CUSAT, Kochi, India, 2016 February.
5. Smitha T.R., Mamta Binoy and K.H.Prema “Green Synthesis of Polyaniline in Tamarind Juice and its Characterisation” Oral presentation in the UGC sponsored National Seminar at St.Theresas College, Ernakulam Jan 2017.
6. Smitha T.R, Thushara Bhadrn, Vaishali Sankher and Prema K.H. “Optical Studies of Iodine Doped Polyaniline synthesized via Green Method” Oral presentation in the National Seminar at S.N.College, Kollam, May 2017.

ORIENTATION/REFRESHER/SHORT TERM COURSES

- Participated in UGC sponsored Orientation Programme organized by UGC-HRDC, University of Kerala, Thiruvananthapuram, from 14/06/2012 to 11/07/2012.
- Participated in UGC sponsored Summer School Programme organized by UGC-HRDC, University of Kerala, Thiruvananthapuram, from 28/05/2015 to 17/06/2015.
- Participated Refresher Course on “Managing Online Classes and Co-creating MOOCS 7.0

organized by Teaching Learning Centre, Ramanujan College, University of Delhi & CMS College (Autonomous), Kerala (Online) 05-08-2021 to 19-08-2021.

- Participated in Winter School in Physics and Chemistry organized by UGC-HRDC, Kannur University (Online) from 24-11-2021 to 07-12-2021.
- Participated in Online two-week Refresher Course in “CHEMISTRY Teaching Learning Centre, Ramanujan College, University of Delhi , sponsored by PMMMMNMTT) of MHRD from 30-6-2023 to 14-07-2023.
- Participated in NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME (online) organized by MMTTC, University of Calicut, Kerala from 19-08-2024 to 28-08-2024.
- Participated in Short Term Programme on “Yoga, Meditation and Stress Management” (online) organized by MMTTC, University of Calicut, Kerala from 24-09-2024 to 30-09-2024.