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Dr. DIPTESH G. NAIK



Assistant Professor in Physical Chemistry

School of Chemical Sciences, Goa University,
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RESEARCH INTEREST

Monomer/ Polymer synthesis, Material chemistry, Radiation dosimetry, Polymeric materials, & Radiation detectors.

EDUCATIONAL QUALIFICATION

PhD in Chemistry, Goa University

Master of Science in Physical Chemistry, Goa University

EXPERIENCE

1. Worked as Assistant Professor in Chemistry at P.E.S's R.S.N. college of Arts and Science, Ponda Goa from July 2019- 30th September 2020.
2. Worked as **Assistant Professor** in Chemistry at Government College of Arts, Science and Commerce, Quepem Goa from June 2018- April 2019.
3. Worked as **Assistant Professor** in Chemistry at P.E.S's R.S.N. college of Arts and Science, Ponda Goa from July 2017- April 2018.
4. Worked as UGC-BSR **Junior Research Fellow** (December 2011- December 2014) and UGC-BSR **Senior Research Fellow** (December 2014-December 2016) at Goa University, Goa.
5. Worked as **Project Assistant** on the research project sponsored by Bhabha Atomic Research centre (BARC), Mumbai under the guidance of Professor Dr. Vishnu S. Nadkarni, Dept. of Chemistry, Goa University, (April 2010

– June 2012).

6. Worked as Trainee Analyst in **Meditab Specialties Pvt. Ltd.** Kundaim, Goa, for ten months. (June 2009 – March 2010)
7. Undergone 1 month training in Quality Control & Quality Assurance Department & Development Centre at **Sanofi Aventis**, Verna Goa (May 2008).

RESEARCH PUBLICATIONS

1. R. Pal, V. S. Nadkarni, **D. G. Naik**, *et. al.*, Development and dosimetric characterization of indigenous PADC for personnel neutron dosimetry, *Nuclear Technology and Radiation Protection*, 2015, 30(3), 175-187. <http://dx.doi.org/10.2298/NTRP1503175P>
2. **D. G. Naik** and V. S. Nadkarni, Poly (triallyl phosphate) and its copolymers with allyl diglycol carbonate as Solid State Nuclear Track detectors, *Designed monomers and polymers*, 2016, 19(7), 643-649. <http://dx.doi.org/10.1080/15685551.2016.1187445>
3. **D. G. Naik** and V. S. Nadkarni, Poly (phosphate-co-carbonate) polymers for solid state nuclear track detection application. *Radiation Physics and Chemistry*, 2019, 156, 259-265. <https://doi.org/10.1016/j.radphyschem.2018.11.027>
4. **D. G. Naik** and V. S. Nadkarni, Novel poly (sulfone-carbonate) polymers for rapid revelation of charged particle tracks by chemical etching process, *Radiation Physics and Chemistry*, 2019, 160, 68-74. <https://doi.org/10.1016/j.radphyschem.2019.03.015>

PATENT FILED

1. V. S. Nadkarni and **D. G. Naik**, *Indian Patent No. IN 2016-21021793*, entitled “Allyl Thiodiglycol sulfone carbonate, polymers thereof and their use in detection of ionizing radiations”, June 2016.

NATIONAL & INTERNATIONAL CONFERENCES PRESENTED & ATTENDED

1. Presented poster entitled “Determination of energy for bulk etching and optical band gap of newly developed poly (sulfone-carbonate) polymeric nuclear track detector: Effect of gamma radiations” at **National Symposium on SSNTDs & their applications**, organized by P.G. Department of Physics, Khalsa college Amritsar & IANCAS during October 18-20, 2019.
2. Presented Paper entitled, “Some copolymers of SDAC for swift nuclear track detection”, (Oral) at **National Symposium on SSNTDs & their applications**, organized by P.G. Department of Physics, Khalsa college Amritsar & IANCAS during October 18-20, 2019.
3. Attended One Day training Workshop on Instrumentation, Application and Maintenance of instruments” organized by Dhempe College of Arts & Science, Miramar Panaji-Goa (31st August 2018).
4. Presented Paper entitled, “Poly (sulfone-carbonate) Polymers for Swift Detection of Charged Particle Tracks: A Replacement for Commercially available PADC Nuclear Track Detectors”, (Oral) at **20th National conference on SSNTDs and their applications**, organized by VVIET, Mysuru held during October 26-28, 2017.
5. Presented e-poster entitled “Phosphorous containing polymeric materials for solid state nuclear track detection- A short Review” at **International conference on Polymer Chemistry** held during 14-16th November 2016 in Atlanta, USA.
6. Presented poster entitled “Development of Novel poly (TAP-co-PETAC) and poly (TAP-co-NADAC) polymeric materials for solid state nuclear track detection studies” at **National Symposium on “Materials Characterization and Manufacturing (MCM-2016)**, organized by P. C. College of Engineering, Verna, Goa in collaboration with Department of Physics, Goa University, Goa on 18th and 19th August 2016.
7. Presented poster entitled “Polymerization of Triallyl Phosphate (TAP) and mixture of (ADC-TAP) and Application in Solid State Nuclear Track Detection” at **ACT NCCT 2014 National conference on “Emerging Area in Chemical Education & Research and National Convention on Chemistry Teachers**, organized by The IIS University, Jaipur on 16-18 October 2014
8. Presented poster entitled “Polytriallyl phosphate (PTAP) and its copolymers for solid state nuclear track detection” at **18th National symposium on SSNTD’s and their applications**, organized by Aggarwal college Ballabgarh Faridabad, Haryana during October 18-20, 2013.
9. Attended one day workshop entitled “**IPR and National Innovation system in India**” organized by NRDC New Delhi & co-organized by Goa University Goa (13th December 2013).

10. Attended two days symposium entitled “**Chemistry in Human Well-being: Emerging Opportunities and Challenges**” in Goa University, Goa (4th - 5th March 2011);
11. Participated in the conference on “**Chemical (Industrial) Disaster Management (CIDM): Chemical, Pharmaceutical & Hydrocarbon Industry**” organized by Federation of Indian Chambers of Commerce and Industry at Cidade De Goa, Goa (29th September – 1st October 2014)
12. Participated in the **International conference on Green Chemistry** in Goa University, Goa (22nd - 24th January 2015).
13. Participated in the national conference at **IXth J-NOST Conference for Research Scholars in IISER-Bhopal, Madhya Pradesh** (4th - 6th December 2013).

PERSONAL DETAILS

Full Name: DIPTESH GURUDAS NAIK
Father's Name: GURUDAS GOVIND NAIK
Residential Address: “SHREE NAVDURGA PRASAD”, H. NO. 56, NEAR SARASWATI HIGH SCHOOL, KAVLEM-PONDA, GOA– 403401, INDIA
Date of Birth: 22nd MARCH 1987
Sex: MALE
Marital Status: MARRIED
Nationality: INDIAN
Languages Known: ENGLISH, KONKANI, HINDI, and MARATHI
Physical Standard: HEIGHT: 174 cms. & WEIGHT: 72 kgs.