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Educational Qualifications : M.Sc. Physics, Post-MSc-Diploma in Radiological Physics (Dip.R.P.) (BARC, Mumbai University), Ph.D. Medical Physics (AIIMS, New Delhi)

- Number of Patents Filed: 2
- Guide for PhD thesis: 10
- Co-guides in projects / dissertations: 24
- Number of Chapters written in Books: 5
- AIIMS Excellence Research Award 2017 & 2019
- Total Number of Full-length Papers Published in National & International Journals: 85
- Total Number of Proffered Papers in National & International Conferences as Presenter / Co-presenter: 160
- Total Number of Invited Papers / Talks presented in Conferences / Symposium: 83
- Dr Cyril Albert Jayachandran Endowment Oration 2019, Tamilnadu & Puducherry Chapter of Association of Medical Physicists of India (TN&PY AMPI) at Kanyakumari
- Founder Editor: Medical Physics Gazette, the newsletter of Association of Medical Physicists of India (AMPI)
- Book Review & News Editor, Journal of Medical Physics till 2023
- Executive editor, Journal of Medical Physics since 2024
- Member, Editorial Board, Indian Journal of Radiology & Imaging
- Referee to the manuscripts submitted for publication to various national and international journals: 11
- IAEA designated expert for diagnostic medical physics, External Expert to various committees and funding agencies awarding projects (BIRAC, DST, ICMR, BIS etc.)

Important Publications in Last Three Years

1. Apoorva Mittal, Manoj Kumar, N Gopishankar, **Pratik Kumar**, Akhilesh K Verma. Quantification of narrow beam UVB radiation doses in phototherapy using diacetylene based film dosimeters. Scientific Reports - Nature, 11, 684, 2021.
2. Apoorva Mittal, Gopishankar N., Akhilesh Verma, **Pratik Kumar**. Development and dosimetric characterization of novel amide substituted diacetylene based radiochromic films for medical radiation dosimetry. Rad Phys Chem 182, 2021, 109391.
3. Apoorva Mittal, Shalini Verma, Gopishankar Natanasabapathi, **Pratik Kumar**, Akhilesh Verma. Diacetylene Based Colorimetric Radiation Sensors for the Detection and Measurement of Gamma Radiation during Blood Irradiation. ACS Omega (American Chemical Society), 2021, 6, 14, 9482-9491.
4. Pooja Seth, Shruti Aggarwal, Shaila Bahl, Pratik Kumar. Optically stimulated luminescence dosimetry on tissue equivalent LiF: Mg, Cu, Na, Si phosphor. Optik, April, 2022, 169060.
5. Sahil, Rajesh Kumar, Mukesh Kumar Yadav, **Pratik Kumar**. OSL and TA-OSL properties of Li2B4O7:Al for radiation dosimetry. J Alloys & Compounds, 908, 2022, 164628.
6. Avinav Bharati, Susama Rani Mandal, Arun Kumar Gupta, Amlesh Seth, Raju Sharma, Ashu S. Bhalla, Chandan J. Das, Sabyasachi Chatterjee, **Pratik Kumar**. Non-Invasive characterisation of renal stones using dual energy CT: A method to differentiate calcium stones. Eur J Med Phys (Physica Medica), 101, 2022, 158-164.
7. Sahil, Gopishankar N., Sourab S., Rajesh Kumar, Mukesh Kumar Yadav, **Pratik Kumar**. Optically stimulated luminescence in LiF-MgF2 system and its response as medical radiation dosimeter. Ceramics International, 49(10), 2023,16352-16362.