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| **Specialization** |  | (a) Fractional Calculus (b) Special Functions  (c) Integral Transforms (d) Basic Hypergeometric functions  (e) Geometric Function Theory (f) Mathematical Physics  (g) Mathematical Inequalities |
| **Membership of learned societies:** |  | * Life Member, Indian Mathematical Society (IMS) * Life Member, Indian Science Congress Association, (ISCA) * Life Member, Indian Academy of Mathematics, (IAM) * Life Member, Society for Special Functions and their Applications (SSFA) * Life Member, Rajasthan Ganita Parishad (RGP) * Life Member, Forum for Advanced Training Education & Research (FATER) * Member, American Mathematical Society (AMS) * Member, International Association of Engineers (IAENG) * Member, IAENG Society of Computer Science * Member, IAENG Society of Scientific Computing |
| **Editorial Board Member in International Journals** |  | * Editor-in-Chief, International Bulletin of Mathematical Research * Member, Editorial Board, Maejo International Journal of Science and Technology (SCIE) * Member, Editorial Board, SpringerPlus (Applied Mathematics) (SCIE) * Member, Editorial Board, TWMS Journal of Applied and Engineering Mathematics (ESCI) * Member, Editorial Board, Applications & Applied Mathematics: An International Journal (ESCI) * Member, Editorial Board, Malaya Journal of Matematik * Member, Editorial Board, International Journal of Pure and Computational Mathematics * Member, Editorial Board, Mathematics in Natural Science |
| **Reviewer and Referee** |  | * Since October 2008, Reviewer for Mathematical Reviews, USA (American Mathematical Society) * Since August 2010, Reviewer for Zentralblatt MATH, Berlin * Acting as a referee for number of the reputed Indian and foreign journals |
| **Award of Fellowships and Gold Medals** |  | * Awarded University Gold Medal for being topper in M.Sc. Mathematics (2001) * Awarded Junior Research Fellowship of Council of Scientific and Industrial * Research for two years during Jan. 2003 to Dec. 2004 * Awarded Senior Research Fellowship of Council of Scientific and Industrial * Research from Jan. 2005 to March 2006 * "A.K. Agarwal Best Publication Prize 2013" of Society for Special Functions and their Applications (SSFA). * Awarded NANUM 2014 Travel Grants to attend ICM 2014 |
| **List of Publication: (106)** | | |

* 1. S. Abelman, K.A. Selvakumaran, M.M. Rashidi and **S.D. Purohit**:Subordination conditions for a class of Non-Bazilevivc type defined by using fractional q-calculus operators, ***Facta Univ., Ser. Math. Inf.*** (Accepted).
  2. D.L. Suthar, **S.D. Purohit** and K.S. Nisar: Integral transforms of the Galue type Struve function, ***TWMS J. App. & Eng. Math.*** (Accepted).
  3. Junesang Choi, R. K. Parmar and **S.D. Purohit**: Further generalization of the extended Hurwitz-Lerch Zeta functions***.*** ***Bol. Soc. Parana. Mat.* (3S)** (Accepted).
  4. R.K. Saxena, **S.D. Purohit** and Dinesh Kumar: Integral inequalities associated with Gauss hypergeometric function fractional integral operator, ***Proc. Nat. Acad. Sci., India Sect. A Phys. Sci.*** (Accepted).
  5. R. K. Parmar and **S.D. Purohit**: Certain integral transforms and fractional integral formulas for the extended hypergeometric functions, ***TWMS J. App. & Eng. Math.*** (Accepted).
  6. R. K. Parmar and **S.D. Purohit**: Some generating functions and properties of extended second Appell function, ***Bol. Soc. Parana. Mat.* (3S)** (Accepted).
  7. Naresh Menaria, F. Ucar and **S.D. Purohit**: Certain new integral inequalities involving Erdelyi-Kober operators, ***Prog. Fract. Diff. Appl***. 3(2) (2017), 1-7.
  8. D.L. Suthar, R.K. Parmar and **S.D. Purohit**: Fractional calculus with complex order and generalized hypergeometric functions, ***Nonlinear Sci. Lett. A***, 8(2) (2017), 156-161.
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  10. G. Murugusundaramoorthy, T. Janani and **S.D. Purohit**: Coefficient estimate of bi-Bazileviuc functions associated with fractional *q*-calculus operators, ***Fundamenta Informaticae*** 151 (2017) 49–62.
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  14. M. Al-Dhaifallah, M. Tomar, K.S. Nisar and **S.D. Purohit**: Some new inequalities for (k,s)-fractional integrals, ***J. Nonlinear Sci. Appl.*** 9 (9) (2016), 5374-5381.
  15. R.K. Parmar, D. Baleanu and **S.D. Purohit**: A class of generating functions involving extended Appell hypergeometric function***.*** ***Anal. Univ. Oradea, Fasc. Math.*** 23(2) (2016), 69-73.
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