Bibliography

[1] Y. Liang, L.-B. Liu, and Z. Cen, "A posteriori error estimation in maximum norm for a system of singularly perturbed Volterra integro-differential equations," *Computational and Applied Mathematics*, vol. 39, 255, 2020.

[2] S. Kumar and M. Kumar, "Analysis of some numerical methods on layer adapted meshes for singularly perturbed quasilinear systems," *Numerical Algorithms*, vol. 71, no. 1, pp. 139–150, 2016.

[3] K. O. Friedrichs and W. R. Wasow, "Singular perturbations of non-linear oscillations," *Duke Mathematical Journal*, vol. 13, no. 3, pp. 367–381, 1946.

[4] L. Prandtl, "*Ü*ber flussigkeitsbewegung bei sehr kleiner reibung," *Verhandlungen, III Internationalen Mathematiker-Kongresses, Heidelberg, Leipzig*, pp. 484–491, 1904.

[5] W. R. Wasow, *On boundary layer problems in the theory of ordinary differential equation.* PhD thesis, New York University, 1942.

[6] K. O. Friedrichs, "Asymptotic phenomena in mathematical physics," *Bulletin of the American Mathematical Society*, vol. 61, no. 6, pp. 485–504, 1955.

[7] R. E. O'Malley, *Singular perturbation methods for ordinary differential equations.* Springer-Verlag, New York, 1991.

[8] F. Verhulst, *Methods and applications of singular perturbations: boundary layers and multiple timescale dynamics*, vol. 50. Springer Science & Business Media, 2005.

[9] E. M. de Jager and J. Furu, *The theory of singular perturbations.* Elsevier, 1996.

[10] T. Linß, *Layer-adapted meshes for reaction-convection-diffusion problems.* Springer, 2009.

[11] H.-G. Roos, M. Stynes, and L. Tobiska, *Robust numerical methods for singularly perturbed differential equations: convection-diffusion-reaction and flow problems*, vol. 24. Springer Science & Business Media, Berlin, 2008.

[12] P. A. Farrell, A. Hegarty, J. J. H. Miller, E. O'Riordan, and G. I. Shishkin, *Robust computational techniques for boundary layers.* CRC Press, 2000.

[13] J. J. H. Miller, E. O'Riordan, and G. I. Shishkin, *Fitted numerical methods for singular perturbation problems.* World Scientific Co., Singapore, 1996.

[14] W. F. Ames, *Nonlinear partial differential equations in engineering.* Academic press, 1965.

[15] W. Eckhaus, *Matched asymptotic expansions and singular perturbations.* Elsevier, 2011.

[16] W. Eckhaus, *Asymptotic analysis of singular perturbations.* Elsevier, 2011.

[17] P. A. Lagerstrom, *Matched asymptotic expansions: ideas and techniques*, vol. 76. Springer Science & Business Media, 2013.

[18] A. H. Nayfeh, *Perturbation methods.* John Wiley & Sons, 2008.

[19] A. H. Nayfeh, *Introduction to perturbation techniques.* John Wiley & Sons, 2011.

[20] R. E. O'Malley, *Introduction to singular perturbations*, vol. 14. Elsevier, 2012.

[21] K. W. Morton, *Revival: Numerical solution of convection-diffusion problems.* CRC Press, 2019.

[22] C. M. Bender and S. A. Orszag, *Advanced mathematical methods for scientists and engineers I: Asymptotic methods and perturbation theory*, vol. 1. Springer Science & Business Media, 1999.

[23] M. H. Holmes, *Introduction to perturbation methods*, vol. 20. Springer Science & Business Media, 2012.

[24] J. Kevorkian and J. D. Cole, *Perturbation methods in applied mathematics*, vol. 34. Springer Science & Business Media, 2013.

[25] D. R. Smith, *Singular-perturbation theory: an introduction with applications.* Cambridge University Press, 1985.

[26] E. P. Doolan, J. J. H. Miller, and W. H. A. Schilders, *Uniform numerical methods for problems with initial and boundary layers.* Boole Press, 1980.

[27] D. De G. Allen and R. Southwell, "Relaxation methods applied to determine the motion, in two dimensions, of a viscous fluid past a fixed cylinder," *The Quarterly Journal of Mechanics and Applied Mathematics*, vol. 8, no. 2, pp. 129–145, 1955.

[28] L. R. Abrahamsson, H. B. Keller, and H.-O. Kreiss, "Difference approximations for singular perturbations of systems of ordinary differential equations," *Numerische Mathematik*, vol. 22, pp. 367–391, 1974.

[29] R. B. Kellogg and A. Tsan, "Analysis of some difference approximations for a singular perturbation problem without turning points," *Mathematics of Computation*, vol. 32, no. 144, pp. 1025–1039, 1978.

[30] B. Kreiss and H.-O. Kreiss, "Numerical methods for singular perturbation problems," *SIAM Journal on Numerical Analysis*, vol. 18, no. 2, pp. 262–276, 1981.

[31] K. C. Patidar, "High order fitted operator numerical method for self-adjoint singular perturbation problems," *Applied Mathematics and Computation*, vol. 171, no. 1, pp. 547–566, 2005.

[32] D. Herceg, K. Surla, and S. Rapajic, "Cubic spline difference scheme on a mesh of Bakhvalov type," *Novi Sad Journal of Mathematics*, vol. 28, no. 3, pp. 41–49, 1998.

[33] A. Hegarty, J. J. H. Miller, E. O'Riordan, and G. I. Shishkin, "Special meshes for finite difference approximations to an advection-diffusion equation with parabolic layers," *Journal of Computational Physics*, vol. 117, no. 1, pp. 47–54, 1995.

[34] N. S. Bakhvalov, "On the optimization of the methods for solving boundary value problems in the presence of a boundary layer," *Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki*, vol. 9, no. 4, pp. 841–859, 1969.

[35] E. C. Gartland, "Graded-mesh difference schemes for singularly perturbed two-point boundary value problems," *Mathematics of Computation*, vol. 51, no. 184, pp. 631–657, 1988.

[36] V. D. Liseikin, "The use of special transformations in the numerical solution of boundary-layer problems," *USSR Computational Mathematics and Mathematical Physics*, vol. 30, no. 1, pp. 43–53, 1990.

[37] V. D. Liseikin, *Layer resolving grids and transformations for singular perturbation problems.* VSP, Netherlands, 2001.

[38] R. Vulanovic, "On a numerical solution of a type of singularly perturbed boundary value problem by using a special discretization mesh," *Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak., Ser. Mat*, vol. 13, no. 13, pp. 187–201, 1983.

[39] G. I. Shishkin, "Discrete approximation of singularly perturbed elliptic and parabolic equations," *Russian Academy of Sciences, Ural Section, Ekaterinburg*, vol. 269, 1992.

[40] C. De Boor, "Good approximation by splines with variable knots II," in *Conference on the numerical solution of differential equations*, pp. 12–20, Springer, 1974.

[41] W. Huang and R. D. Russell, *Adaptive moving mesh methods*, vol. 174. Springer Science & Business Media, 2010.

[42] Y. Ren and R. D. Russell, "Moving mesh techniques based upon equidistribution, and their stability," *SIAM Journal on Scientific and Statistical Computing*, vol. 13, no. 6, pp. 1265–1286, 1992.

[43] N. Kopteva and M. Stynes, "A robust adaptive method for a quasi-linear one-dimensional convection-diffusion problem," *SIAM Journal on Numerical Analysis*, vol. 39, no. 4, pp. 1446–1467, 2001.

[44] G. Beckett and J. Mackenzie, "Convergence analysis of finite difference approximations on equidistributed grids to a singularly perturbed boundary value problem," *Applied Numerical Mathematics*, vol. 35, no. 2, pp. 87–109, 2000.

[45] G. Beckett and J. Mackenzie, "On a uniformly accurate finite difference approximation of a singularly perturbed reaction–diffusion problem using grid equidistribution," *Journal of Computational and Applied Mathematics*, vol. 131, no. 1-2, pp. 381–405, 2001.

[46] N. Kopteva, N. Madden, and M. Stynes, "Grid equidistribution for reaction–diffusion problems in one dimension," *Numerical Algorithms*, vol. 40, no. 3, pp. 305–322, 2005.

[47] N. Kopteva, "Maximum norm a posteriori error estimates for a 1D singularly perturbed semilinear reaction–diffusion problem," *IMA Journal of Numerical Analysis*, vol. 27, no. 3, pp. 576–592, 2007.

[48] E. Gómez-Treviño, "Nonlinear integral equations for electromagnetic inverse problems," *Geophysics*, vol. 52, no. 9, pp. 1297–1302, 1987.

[49] R. Gorenflo and S. Vessella, *Abel integral equations*, vol. 1461. Springer, 1991.

[50] S. Chandrasekhar, *Radiative transfer.* Courier Corporation, 2013.

[51] C.-Y. Wu and S.-H. Wu, "Integral equation formulation for transient radiative transfer in an anisotropically scattering medium," *International Journal of Heat and Mass Transfer*, vol. 43, no. 11, pp. 2009–2020, 2000.

[52] M. Dehghan, "On the solution of an initial-boundary value problem that combines neumann and integral condition for the wave equation," *Numerical Methods for Partial Differential Equations*, vol. 21, no. 1, pp. 24–40, 2005.

[53] T. Jankowski, “Extensions of quasilinearization method for differential equations with integral boundary conditions,” *Mathematical and Computer Modelling*, vol. 37, pp. 155–165, 2003.

[54] T. Jankowski, “Monotone and numerical-analytic methods for differential equations,” *Computers & Mathematics with Applications*, vol. 45, no. 12, pp. 1823–1828, 2003.

[55] A. M. Samoilenko, N. I. Ronto, and S. V. Martynyuk, “On the numerical-analytic method for problems with integral boundary conditions,” *Dokl. Akad. Nauk Ukrain. SSR 4*, pp. 34–37, 1991.

[56] M. Dehghan, “A computational study of the one-dimensional parabolic equation subject to nonclassical boundary specifications,” *Numerical Methods for Partial Differential Equations*, vol. 22, no. 1, pp. 220–257, 2006.

[57] M. Dehghan, “The one-dimensional heat equation subject to a boundary integral specification,” *Chaos, Solitons & Fractals*, vol. 32, no. 2, pp. 661–675, 2007.

[58] M. Dehghan and M. Abbaszadeh, “A Legendre spectral element method (SEM) based on the modified bases for solving neutral delay distributed-order fractional damped diffusion-wave equation,” *Mathematical Methods in the Applied Sciences*, vol. 41, no. 9, pp. 3476–3494, 2018.

[59] M. Abbaszadeh and M. Dehghan, “Numerical and analytical investigations for neutral delay fractional damped diffusion-wave equation based on the stabilized interpolating element free Galerkin (IEFG) method,” *Applied Numerical Mathematics*, vol. 145, pp. 488–506, 2019.

[60] V. Mohammadi and M. Dehghan, "Generalized moving least squares approximation for the solution of local and non-local models of cancer cell invasion of tissue under the effect of adhesion in one-and two-dimensional spaces," *Computers in Biology and Medicine*, vol. 124, p. 103803, 2020.

[61] T. Prabha, M. Chandru, V. Shanthi, and H. Ramos, "Discrete approximation for a two-parameter singularly perturbed boundary value problem having discontinuity in convection coefficient and source term," *Journal of Computational and Applied Mathematics*, vol. 359, pp. 102–118, 2019.

[62] M. Chandru, P. Das, and H. Ramos, "Numerical treatment of two-parameter singularly perturbed parabolic convection diffusion problems with non-smooth data," *Mathematical Methods in the Applied Sciences*, vol. 41, no. 14, pp. 5359–5387, 2018.

[63] J. M.-S. Lubuma and K. C. Patidar, "Solving singularly perturbed advection–reaction equations via non-standard finite difference methods," *Mathematical Methods in the Applied Sciences*, vol. 30, no. 14, pp. 1627–1637, 2007.

[64] J. B. Munyakazi and K. C. Patidar, "A fitted numerical method for singularly perturbed parabolic reaction-diffusion problems," *Computational and Applied Mathematics*, vol. 32, pp. 509–519, 2013.

[65] S. Kumar and M. Kumar, "Parameter-robust numerical method for a system of singularly perturbed initial value problems," *Numerical Algorithms*, vol. 59, no. 2, pp. 185–195, 2012.

[66] G. M. Amiraliyev, M. Kudu, and H. Duru, "Uniform difference method for a parameterized singular perturbation problem," *Applied Mathematics and Computation*, vol. 175, no. 1, pp. 89–100, 2006.

[67] G. M. Amiraliyev and H. Duru, “A note on a parameterized singular perturbation problem,” *Journal of Computational and Applied Mathematics*, vol. 182, no. 1, pp. 233–242, 2005.

[68] S. Kumar, “Layer-adapted methods for quasilinear singularly perturbed delay differential problems,” *Applied Mathematics and Computation*, vol. 233, pp. 214–221, 2014.

[69] G. M. Amiraliyev, I. G. Amiraliyeva, and M. Kudu, “A numerical treatment for singularly perturbed differential equations with integral boundary condition,” *Applied Mathematics and Computation*, vol. 185, pp. 574–582, 2007.

[70] L.-B. Liu, G. Long, and Z. Cen, “A robust adaptive grid method for a nonlinear singularly perturbed differential equation with integral boundary condition,” *Numerical Algorithms*, vol. 83, no. 2, pp. 719–739, 2020.

[71] T. Y. Na, *Computational methods in engineering boundary value problems*. Academic Press, 1980.

[72] X. Liu and F. A. McRae, “A monotone iterative method for boundary value problems of parametric differential equations,” *International Journal of Stochastic Analysis*, vol. 14, no. 2, pp. 183–187, 2001.

[73] T. Jankowski, “Application of the numerical-analytic method to systems of differential equations with parameter,” *Ukrainian Mathematical Journal*, vol. 54, no. 4, pp. 671–683, 2002.

[74] S. V. Martynyuk and A. M. Samoilenko, “Justification of a numerical-analytic method of successive approximations for problems with integral boundary conditions,” *Ukrainian Mathematical Journal*, vol. 43, pp. 1231–1239, 1991.

[75] Z. Cen, "A second-order difference scheme for a parameterized singular perturbation problem," *Journal of Computational and Applied Mathematics*, vol. 221, no. 1, pp. 174–182, 2008.

[76] P. Das, "Comparison of a priori and a posteriori meshes for singularly perturbed nonlinear parameterized problems," *Journal of Computational and Applied Mathematics*, vol. 290, pp. 16–25, 2015.

[77] Y. Wang, S. Chen, and X. Wu, "A rational spectral collocation method for solving a class of parameterized singular perturbation problems," *Journal of Computational and Applied Mathematics*, vol. 233, no. 10, pp. 2652–2660, 2010.

[78] F. Xie, J. Wang, W. Zhang, and M. He, "A novel method for a class of parameterized singularly perturbed boundary value problems," *Journal of Computational and Applied Mathematics*, vol. 213, no. 1, pp. 258–267, 2008.

[79] M. Kudu, I. Amirali, and G. M. Amiraliyev, "Uniform numerical approximation for parameter dependent singularly perturbed problem with integral boundary condition," *Miskolc Mathematical Notes*, vol. 19, no. 1, pp. 337–353, 2018.

[80] M. Kudu, "A parameter uniform difference scheme for the parameterized singularly perturbed problem with integral boundary condition," *Advances in Difference Equations*, vol. 2018, no. 1, pp. 1–12, 2018.

[81] N. Sultana, *Volterra difference equations.* PhD thesis, Missouri University of Science and Technology, 2015.

[82] A.-M. Wazwaz, *A First course in integral equations.* World Scientific, 2015.

[83] J. Angell and W. Olmstead, “Singularly perturbed Volterra integral equations II,” *SIAM Journal on Applied Mathematics*, vol. 47, no. 6, pp. 1150–1162, 1987.

[84] F. Hoppensteadt, “An algorithm for approximate solutions to weakly filtered synchronous control systems and nonlinear renewal processes,” *SIAM Journal on Applied Mathematics*, vol. 43, no. 4, pp. 834–843, 1983.

[85] G. S. Jordan, “A nonlinear singularly perturbed Volterra integrodifferential equation of nonconvolution type,” *Proceedings of the Royal Society of Edinburgh Section A: Mathematics*, vol. 80, no. 3-4, pp. 235–247, 1978.

[86] A. Lodge, J. McLeod, and J. Nohel, “A nonlinear singularly perturbed Volterra integrodifferential equation occurring in polymer rheology,” *Proceedings of the Royal Society of Edinburgh Section A: Mathematics*, vol. 80, no. 1-2, pp. 99–137, 1978.

[87] J. P. Kauthen, “A survey of singularly perturbed Volterra equations,” *Applied Numerical Mathematics*, vol. 24, no. 2-3, pp. 95–114, 1997.

[88] B. C. Iragi and J. B. Munyakazi, “A uniformly convergent numerical method for a singularly perturbed Volterra integro-differential equation,” *International Journal of Computer Mathematics*, vol. 97, no. 4, pp. 759–771, 2020.

[89] B. C. Iragi and J. B. Munyakazi, “New parameter-uniform discretisations of singularly perturbed Volterra integro-differential equations,” *Applied Mathematics and Information Sciences*, vol. 12, no. 3, pp. 517–527, 2018.

[90] N. A. Mbroh, S. C. O. Noutchie, and R. Y. M. Massoukou, “A second order finite difference scheme for singularly perturbed Volterra integro-differential

equation," *Alexandria Engineering Journal*, vol. 59, no. 4, pp. 2441–2447, 2020.

[91] Ö. Yapman and G. M. Amiraliyev, "A novel second-order fitted computational method for a singularly perturbed Volterra integro-differential equation," *International Journal of Computer Mathematics*, vol. 97, no. 6, pp. 1293–1302, 2020.

[92] S. Sumit, S. Kumar, and J. Vigo-Aguiar, "Analysis of a nonlinear singularly perturbed Volterra integro-differential equation," *Journal of Computational and Applied Mathematics*, vol. 404, p. 113410, 2021.

[93] C. Zhongdi and X. Lifeng, "A parameter robust numerical method for a singularly perturbed Volterra equation in security technologies," in *Proceedings of the 5th WSEAS International Conference on Information Security and Privacy, Venice, Italy*, vol. 1, pp. 20–22, 2006.

[94] S. Şevgin, "Numerical solution of a singularly perturbed Volterra integro-differential equation," *Advances in Difference Equations*, vol. 2014, no. 1, pp. 1–15, 2014.

[95] G. M. Amiraliyev and F. Erdogan, "A finite difference scheme for a class of singularly perturbed initial value problems for delay differential equations," *Numerical Algorithms*, vol. 52, pp. 663–675, 2009.

[96] I. Amiraliyeva and G. Amiraliyev, "Uniform difference method for parameterized singularly perturbed delay differential equations," *Numerical Algorithms*, vol. 52, pp. 509–521, 2009.

[97] F. Erdogan and G. M. Amiraliyev, “Fitted finite difference method for singularly perturbed delay differential equations,” *Numerical Algorithms*, vol. 59, pp. 131–145, 2012.

[98] M. K. Kadalbajoo and V. Ramesh, “Numerical methods on Shishkin mesh for singularly perturbed delay differential equations with a grid adaptation strategy,” *Applied Mathematics and Computation*, vol. 188, no. 2, pp. 1816–1831, 2007.

[99] P. Rai and K. K. Sharma, “Numerical approximation for a class of singularly perturbed delay differential equations with boundary and interior layer (s),” *Numerical Algorithms*, vol. 85, no. 1, pp. 305–328, 2020.

[100] S. Kumar and M. Kumar, “A second order uniformly convergent numerical scheme for parameterized singularly perturbed delay differential problems,” *Numerical Algorithms*, vol. 76, no. 2, pp. 349–360, 2017.

[101] S. Kumar and M. Kumar, “High order parameter-uniform discretization for singularly perturbed parabolic partial differential equations with time delay,” *Computers & Mathematics with Applications*, vol. 68, no. 10, pp. 1355–1367, 2014.

[102] J. Singh, S. Kumar, and M. Kumar, “A domain decomposition method for solving singularly perturbed parabolic reaction-diffusion problems with time delay,” *Numerical Methods for Partial Differential Equations*, vol. 34, no. 5, pp. 1849–1866, 2018.

[103] M. Kudu, I. Amirali, and G. M. Amiraliyev, “A finite-difference method for a singularly perturbed delay integro-differential equation,” *Journal of Computational and Applied Mathematics*, vol. 308, pp. 379–390, 2016.

[104] Z. Gajic, *Optimal control of singularly perturbed linear systems and applications*. CRC Press, London, 2001.

[105] A. C. Antoulas, *Approximation of large-scale dynamical systems*. SIAM, USA, 2005.

[106] Y. Zhang, D. S. Naidu, C. Cai, and Y. Zou, "Singular perturbations and time scales in control theories and applications: An overview 2002–2012," *International Journal of Information and Systems Sciences*, vol. 9, no. 1, pp. 1–36, 2014.

[107] I. Raj, P. M. Johnson, J. J. H. Miller, and V. Sigamani, "A parameter uniform almost first order convergent numerical method for non-linear system of singularly perturbed differential equations," *Biomath*, vol. 5, no. 2, 2016.

[108] Z. Cen, A. Xu, and A. Le, "A second-order hybrid finite difference scheme for a system of singularly perturbed initial value problems," *Journal of Computational and Applied Mathematics*, vol. 234, no. 12, pp. 3445–3457, 2010.

[109] D. Shakti and J. Mohapatra, "Numerical simulation and convergence analysis for a system of nonlinear singularly perturbed differential equations arising in population dynamics," *Journal of Difference Equations and Applications*, vol. 24, no. 7, pp. 1185–1196, 2018.

[110] A. Makroglou, "Integral equations and actuarial risk management: some models and numerics," *Mathematical Modelling and Analysis*, vol. 8, no. 2, pp. 143–154, 2003.

[111] K. G. TeBeest, "Classroom note: numerical and analytical solutions of Volterra's population model," *SIAM Review*, vol. 39, no. 3, pp. 484–493, 1997.

[112] Y. Li, R. Xu, and J. Jiazhe, “Global dynamics for a class of infection-age model with nonlinear incidence,” *Nonlinear Analysis: Modelling and Control*, vol. 24, no. 1, pp. 47–72, 2019.

[113] F. M. Scudo, “Vito Volterra and theoretical ecology,” *Theoretical population biology*, vol. 2, no. 1, pp. 1–23, 1971.

[114] J. I. Ramos, “Exponential techniques and implicit Runge Kutta methods for singularly perturbed Volterra integro differential equations,” *Neural, Parallel and Scientific Computations*, vol. 16, no. 3, p. 387, 2008.

[115] Ö. Yapman and G. M. Amiraliyev, “Convergence analysis of the homogeneous second order difference method for a singularly perturbed Volterra delay-integro-differential equation,” *Chaos, Solitons & Fractals*, vol. 150, p. 111100, 2021.

[116] X. Tao and Y. Zhang, “The coupled method for singularly perturbed Volterra integro-differential equations,” *Advances in Difference Equations*, vol. 2019, no. 1, pp. 1–16, 2019.

[117] M. Cakir and B. Güneş, “A new difference method for the singularly perturbed Volterra-Fredholm integro-differential equations on a Shishkin mesh,” *Hacettepe Journal of Mathematics and Statistics*, vol. 51, no. 3, pp. 787–799, 2022.

[118] A. Panda, J. Mohapatra, and I. Amirali, “A second-order post-processing technique for singularly perturbed Volterra integro-differential equations,” *Mediterranean Journal of Mathematics*, vol. 18, pp. 1–25, 2021.

[119] L.-B. Liu, Y. Liao, and G. Long, "A novel parameter-uniform numerical method for a singularly perturbed Volterra integro-differential equation," *Computational and Applied Mathematics*, vol. 42, no. 1, p. 12, 2023.

[120] M. Cakir and B. Gunes, "A fitted operator finite difference approximation for singularly perturbed Volterra–Fredholm integro-differential equations," *Mathematics*, vol. 10, no. 19, p. 3560, 2022.

[121] A. Bijura, "Singularly perturbed Volterra integro-differential equations," *Quaestiones Mathematicae*, vol. 25, no. 2, pp. 229–248, 2002.

[122] T. Jankowski, "Differential equations with integral boundary conditions," *Journal of Computational and Applied Mathematics*, vol. 147, pp. 1–8, 2002.

[123] N. Borovykh, "Stability in the numerical solution of the heat equation with nonlocal boundary conditions," *Applied Numerical Mathematics*, vol. 42, no. 1-3, pp. 17–27, 2002.

[124] Y. Qiu and D. Sloan, "Analysis of difference approximations to a singularly perturbed two-point boundary value problem on an adaptively generated grid," *Journal of Computational and Applied Mathematics*, vol. 101, no. 1-2, pp. 1–25, 1999.

[125] J. Mackenzie, "Uniform convergence analysis of an upwind finite-difference approximation of a convection-diffusion boundary value problem on an adaptive grid," *IMA Journal of Numerical Analysis*, vol. 19, no. 2, pp. 233–249, 1999.

[126] K. E. Atkinson, *An introduction to numerical analysis.* John wiley & sons, 2008.

[127] U. M. Ascher, R. M. M. Mattheij, and R. D. Russell, *Numerical solution of boundary value problems for ordinary differential equations*, vol. 13. SIAM, USA, 1994.

[128] R. E. Bellman, *Nonlinear boundary-value problems.* Elsevier, New York, 1965.

[129] R. L. Burden and J. D. Faires, *Numerical Analysis.* Cengage Learning, Canada, 2010.

[130] N. M. Chadha and N. Kopteva, "A robust grid equidistribution method for a one-dimensional singularly perturbed semilinear reaction–diffusion problem," *IMA Journal of Numerical Analysis*, vol. 31, no. 1, pp. 188–211, 2011.

[131] X. Xu, W. Huang, R. D. Russell, and J. F. Williams, "Convergence of De Boor's algorithm for the generation of equidistributing meshes," *IMA Journal of Numerical Analysis*, vol. 31, no. 2, pp. 580–596, 2011.

[132] T. Linß, G. Radojev, and H. Zarin, "Approximation of singularly perturbed reaction-diffusion problems by quadratic C^1- splines," *Numerical Algorithms*, vol. 61, no. 1, pp. 35–55, 2012.

[133] K. W Chang and F. A. Howes, *Nonlinear singular perturbation phenomena.* Springer-Verlag, New York, 1984.

[134] G. S. Ladde, V. Lakshmikantham, and A. S. Vatsala, *Monotone iterative techniques for nonlinear differential equations*, vol. 27. Pitman Publishing, London, 1985.

[135] R. S. Varga, "Iterative analysis," *New Jersey*, vol. 322, 1962.

[136] J. Huang, Z. Cen, and A. Xu, "An improved a posteriori error estimation for a parameterized singular perturbation problem," *Applied Mathematics Letters*, vol. 114, p. 106912, 2021.

[137] S. Kumar, S. Kumar, and Sumit, "High-order convergent methods for singularly perturbed quasilinear problems with integral boundary conditions," *Mathematical Methods in the Applied Sciences*, pp. 1–14, 2020, doi: https://doi.org/10.1002/mma.6854.

[138] J. Huang, Z. Cen, A. Xu, and L.-B. Liu, "A posteriori error estimation for a singularly perturbed Volterra integro-differential equation," *Numerical Algorithms*, vol. 83, no. 2, pp. 549–563, 2020.

List of Publications

[**1**] Kumar, S., **Kumar**, **S.**, & Sumit. (2020). High-order convergent methods for singularly perturbed quasilinear problems with integral boundary conditions. ***Mathematical Methods in the Applied Sciences***, 1–14.
doi: `https://doi.org/10.1002/mma.6854`, **I.F.:** 2.9

[**2**] Kumar, S., **Kumar**, **S.**, & Sumit. (2022). A posteriori error estimation for quasilinear singularly perturbed problems with integral boundary condition. ***Numerical Algorithms***, 89, 791–809.
doi: `https://doi.org/10.1007/s11075-021-01134-5`, **I.F.:** 2.1

[**3**] Sumit, **Kumar**, **S.**, & Kumar, S. (2022). A high order convergent adaptive numerical method for singularly perturbed nonlinear systems. ***Computational and Applied Mathematics***, 41 (83).
doi: `https://doi.org/10.1007/s40314-022-01788-4`, **I.F.:** 2.6

[**4**] Kumar, S., **Kumar**, **S.**, & Sumit. (2023). A priori and a posteriori error estimation for singularly perturbed delay integro-differential equations. ***Numerical Algorithms***.
doi: `https://doi.org/10.1007/s11075-023-01620-y`, **I.F.:** 2.1

[**5**] Jaiswal, A., **Kumar**, **S.**, & Kumar, S. (2023). A priori and a posteriori error analysis for a system of singularly perturbed Volterra integro-differential equations. ***Computational and Applied Mathematics***, 42 (278).
doi: `https://doi.org/10.1007/s40314-023-02406-7`, **I.F.:** 2.6

[**6**] **Kumar**, **S.**, Sumit, & Kumar, S. A high order adaptive numerical method for boundary layer originated nonlinear problems with non-local boundary condition. *(Communicated)*

[**7**] **Kumar**, **S.**, & Kumar, S. High order a priori and a posteriori error estimations for integral boundary value problems of nonlinear singularly perturbed parameterized form. *(Communicated)*

[**8**] **Kumar**, **S.**, & Kumar, S. A priori and a posteriori error estimates for computational efficient numerical schemes for coupled systems of linear and nonlinear singularly perturbed problems. *(Communicated)*