



CURRICULUM VITAE

Professor Nasr Al Din IDE - Aleppo University (Syria)

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Affiliation and official address:

Faculty of Sciences - University of Aleppo – Aleppo - Syria.

Date / Place of birth: 10-06-1957, Syria

Nationality: Syrian

Education (*degrees, dates, universities*)

1985-1986: University of Claude Bernard-LYON-I- , DEA MATHS Pures

1986-1990: PhD / Doctor of: Matériaux Macromoléculaires et composites
(Numerical Study)

University of Claude Bernard - LYON-I - France

(with collaboration of « Ecole des Mines de saint-Etienne »)

.Career/Employment (*employers, positions and dates*)

University of Aleppo: since 1990.

Responsibilities administrative

1- Head of department of Mathematics 1997-2000, Faculty of Teachers, Al Madenah-Saudi Arabia.

2- Head of Mathematical Statistics Department 2005-2009, Faculty of Sciences, Aleppo University.

3- Vice Dean of Faculty of Sciences- Aleppo University- SYRIA, 2009-2011.

4- Head of Department of Mathematics 2017-until now, Faculty of Sciences, Aleppo University.

Committee member :

1- Week of sciences 1993 In Syria -

2-EuroMech227, 1987, Saint-Etienne France

3- Organizing a congress in MATHS At Aleppo University 2008.

Specialization (*specify*)

- **Main Field:** Numerical Analysis

- **Current research interest:**

- Tensors rotations (de 4^{em} order) caractérisant les matériaux anisotropes

- l'Equation aux dérivées Partielles Elliptique générale de Poisson
(Finite Elements Methods)

- Numerical methods for solving nonlinear algebraic equations

International Mobility:

1- (ICTP), trieste, Italy, 1996, for one month.

2- Four Months of research in France (16/10/2008-14/2/2009), Institut Camill Jordan, Universite Claude Bernard –Lyon.

Participation à des Congrès

1- 21 St. International Conference on Statistics, Computer Science & Applications 1996, Cairo, Eygept.

2-1st National Conference of Mathematical and Phisical Sciences and Applications 1995, Cairo, Egypt

3-Congrès international en France EuroMech227, 1987, Saint-Etienne.

4- 36^{eme} semaine de la science, Université d' Alep –Alep- Syria, 1987.

5- 1st National Conference of Mathematical Statistics 2008, Aleppo-SYRIA.

Publications:

1-Ide.N, **“Computer Study Of the Mathematical Operations Over $2 \times 2, 3 \times 3$ and 4×4 Real Matrices by using the Complex Numbures ”** 21 St. International Conference On Statistics, Computer Science & Applications 1996, Cairo, Eygept.

2- Ide.N, **« Interpolation for Large displacement »**3^{ed} conference de Mathematics, Jordan, 1996.

3-Ide. N, **« Simplification des calcules sur les matrices réelles (4,4) par l'utilisation de la notion des nombres complexes »** 33^{eme} semaine des sciences, Université d'Alep, 1993.

4- Ide. N, **« Contribution Les rotations des tenseurs de sécond ordre par l'utilisation des fonctions harmoniques sphériques »**1st National conference of Mathematical and Science Phisical, Cairo, 1995.

5- Ide. N, **« Transformation de fonctions harmoniques Spheriques de 4em Ordre»**.R.J. of Aleppo No.14.1992.

6- Ide. N, **« Transformation de fonctions harmoniques Spheriques de 3em Ordre»**.R.J. of Aleppo No.15.1993.

7- " **La solution du probleme aux limites de Dirichlet par la methode des differences finis et la methode de Rayleih- Ritz "**, R.J. of Aleppo No.46.2005.

8- " **Basic (nxm) real Matrix operations by using complex numbers "**, R.J. of Aleppo No.47.2005.

9- " **Basic Méthode informatiques pour Amplification les petites déformations "**, R.J. of Damascus, 2005.

10- Ide, Kharrat and Abdol, **“Solution of the linear equations system, symetric and positive definite by the iterative methodes-conjugate gradiant method ”**, R.J. of Aleppo No.23.1996.

11- Ide, Kharrat and Abdol, " **Approximate solutions of an elastic plat, Clamped at its boundary under a transversal loads**", R.J. of Aleppo No.23.1996.

12- Ide, Deeb and Jounaidy, **“A Design Study for Build a Computer Network and Apply it in the Court of Homes.”**, R.J. of Aleppo No.37.2002.

- 13- Ide N, "**Méthode Informatiques pour Amplification les petites déformations**", R.J. of Aleppo No.47.2005.
- 14- Ide N, "**Basic (nxm) real Matrix operations by using complex numbers**", R.J. of Damascus, 2005.
- 15- Ide N, "**La solution du probleme aux limites de Dirichlet par la methode des differences finis et la methode de Rayleigh-Ritz**", R.J. of Aleppo No.46.2005.
- 16- Ide N "**Problème de Précipitation en Syrie par l'Utilisation de la Méthode des Éléments Finis**", R.J. of Aleppo No.50.2006.
- 17- Ide N "**On modified Newton methods for solving a nonlinear algebraic equations**", **Journal of Applied Mathematics and Computation**, Elsevier Editorial, Amsterdam, Netherlands, 2008.
- 18- Ide N "**Quaternions and Antiquaternions by using brackets of complex numbers**", ICM2008, 3-6 Mars, Al-Ain University, UAE.
- 19- Ide N, "**A new Hybrid iteration method for solving algebraic equations**" **Journal of Applied Mathematics and Computation**, Elsevier Editorial, Amsterdam, 195, Netherlands, (2008) 772-774.
- 20- Ide N, "**Problèmes de Modélisation Mathématique et Numérique (Le Problème Générale de Poisson)**", R.J. of Aleppo No. 64 .2009.
- 21- Ide N, "**A quadratic Convergent New Iteration Method for Solving nonlinear Algebraic equations**", R.J. of Aleppo No. 72 .2010.
- 22- Ide N, "**A New Iteration Method For Solving Non-linear Algebraic Equations**", R.J. of Aleppo No. 69, 2010.
- 23- **On Newton type iterative method by using Tchybchev integral method**", R.J. of Aleppo .2010.
- 24- A nonstationary Halley's iteration method by using divided differences formula, **Applied Mathematics**, Scientific research, USA, 2012, 3, 169-171.
- 25- Nasr-Al-Din Ide, Mohammad Wael Al-Soufi, **A New Iteration Method For Solving Non-linear Algebraic Equation**, R.J. of Aleppo .2009.
- 26- "**Some New Type Iterative Methods for Solving Nonlinear Algebraic Equation**", **World Applied Sciences Journal** 26 (10): 1330-1334, 2013
© IDOSI Publications, 2013 DOI: 10.5829/idosi.wasj.2013.26.10.512.

27- N. IDE, Application of Iterative Method To Nonlinear Equations Using Homotopy Perturbation Methods, Journal of Basic and Applied Research International Knowledge Press, Vol: 5, Issue: 3, 2015.

28- N. IDE, **Some New Iterative Algorithms by Using Homotopy Perturbation Method for Solving Nonlinear Algebraic Equations**, 2015, Asian Journal of Mathematics and Computer Research, (AJOMCOR), International Knowledge Press, Vol.: 5, Issue: 3, 2015.

29-Ide N, B Kharrat, A Shazwan, Decomposition Tensors Of Third and fourth Order in to Irreducible Tensors of minimum orders in The Space R^3 , R.J. of Aleppo No. 104 .2015.

30- Ide. N, Sulaf. J, “A Improve the solution of forth-order boundary value problem by Homotopy-Perturbation method”, R.J. of Aleppo No. 109, 2015.

31- Ide. N, Sulaf. J, “Numerical application to solve differential and integral equations by using (mix) method of Homotopy-Perturbation method and Adomian method”, R.J. of Aleppo No. 111, 2016.

32 -A New Algorithm for Solving Nonlinear Equations by Using Least Square Method, Mathematics and Computer Science, SciencePG publishing, Volume 1, Issue 3, September 2016, Pages: 44-47 , 2016; Published: Sep. 18, 2016.

33-Using Lagrange Interpolation for Solving Nonlinear Algebraic Equations, International Journal of Theoretical and Applied Mathematics. SciencePG publishing, Volume 2, Issue 2, December 2016, Pages: 165-169 Received: Nov. 14, 2016; Accepted: Dec. 12, 2016; Published: Jan. 22, 2017. pp. 165-169. doi: 10.11648/j.ijtam.20160202.31.

34- Nasr Al Din IDE, Improvement of New Eight and Sixteenth Order Iterative Methods for Solving Nonlinear Algebraic Equations by Using Least Square Method , International Journal of Scientific and Innovative Mathematical Research, (IJSIMR), Volume 6, Issue 10, 2018, PP 23-27.

35- N. Ide et Al, Studying a new forms of auxiliary matrix $H(x)$ in Homotopy Analysis method (HAM) for Solving System of Linear Algebraic Equations, Res. J. of Aleppo Univ. Basic Science Series, No. 122-2018.

36- N. Ide et Al, Improve the solution of system of linear algebraic equations using Homotopy Analysis method (studying some new forms of the matrix $H(x)$). Res. J. of Aleppo Univ. Basic Science Series, No. 122-2018.

37- N. IDE, **Bisection Method by using Fuzzy Concept**, International Journal of Scientific and Innovative Mathematical Research, (IJSIMR), Volume 7, Issue 4, 2018, PP 8-11. ISSN No. (Print) 2347-307X & ISSN No. (Online) 2347-3142, DOI: <http://dx.doi.org/10.20431/2347-3142.0704002>.

38- Nasr Al Din IDE, Sundus Naji Al Aziz, Using the Least Squares Method with Five Points to Solve Algebraic Equations –Nonlinear-, International Journal of Scientific and Innovative Mathematical Research, (IJSIMR), Volume 7, Issue 5, 2019, PP 26-30. ISSN No. (Print) 2347-307X & ISSN No. (Online) 2347-3142 DOI: <http://dx.doi.org/10.20431/2347-3142.0705005>.

39- Nasr Al-Din Ide, A New Aitken Type Method by Using Geometric Mean Concept, World Applied Sciences Journal, 37 (4): 289-292, 2019, ISSN 1818-4952© IDOSI Publications, DOI: 10.5829/idosi.wasj.2019.289.292.

40- N. IDE, A New Modified of McDougall-Wotherspoon method for Solving Nonlinear Equations by Using Geometric Mean Concept, Computational and Applied Mathematical Sciences 4(2) :35-38 © IDOSI Publications. Doi: 10.5829/idosi.cams.2019.

41- N. IDE, New Modification Methods for Solving Nonlinear Algebraic Equations by Using Lagrange interpolation approach, Studied in Non linear Sciences 4(2): 23-25, © IDOSI Publications. Doi:10.5829/idosi.sns.2019.

42-Fatema Sammany, Mohamed Sultan and , Nasr Al-Din Ide, Stress and Strain Distribution in a Single Root Canal Post Made of Polyether Ether Ketone Using Three-Dimensional Finite Elements Method, Academic Journal of Oral and Dental Medicine 6 (1): 01-07, 2019, ISSN 2222-128X, © IDOSI Publications, 2019
DOI: 10.5829/idosi.ajodm.2019.01.07.

43- Marah sailem, Bachir nour Kharrat and Nasr al din IDE, Development of Homotopy Perturbation Method by using Fourier transform and their application on the porous media equation, Res. J. of Aleppo Univ. Basic Science Series, No. 122 -/08/2019.

44- Nasr Al-Din Ide, Iterative Method by Using Tchybcheve integral for Solving Nonlinear Algebraic Equations, World Applied Sciences Journal 37 (8): 661-663, 2019, ISSN 1818-4952, © IDOSI Publications, 2019, DOI: 10.5829/idosi.wasj.2019.661.663.

45- Nasr Al-Din Ide, Comparison of A New Modified McDougall-Wotherspoon method with "Modified Cauchy methods using Padé Approximation" to Solve Nonlinear Equations, World Applied Sciences Journal 38 (2): 106-113, ISSN 1818-4952, © IDOSI Publications, DOI: 10.5829/idosi.wasj.2020.

46 Nasr Al-Din IDE, Comparison of Numerical Methods for Approximating Solution of the Quadratic Riccati Differential Equation, European Journal of Applied Sciences 12 (2): 32-35, 2020 ISSN 2079-2077 © IDOSI Publications, 2020 DOI: 10.5829/idosi.ejas.2020.32.35.

47- Nasr Al-Din IDE, Comparison of Newton-Raphson Based Modified Laplace Adomian Decomposition Method and Newton's Interpolation and Aitken's Method for Solving Quadratic Riccati Differential Equations, Middle-East Journal of Scientific Research 28 (3): 235-239, 2020 ISSN 1990-9233 © IDOSI Publications, 2020 DOI: 10.5829/idosi.mejsr.2020.235.239.

48- IDE Nasr Al Din, Using Newton's Interpolation and Aitken's Method

for Solving First Order Differential Equation, World Applied Sciences Journal 38 (3): 191-194, 2020 ISSN 1818-4952 © IDOSI Publications, 2020 DOI: 10.5829/idosi.wasj.2020.191.194

49- IDE Nasr Al Din, Numerical Study for Solving Quadratic Riccati Differential Equations, Middle-East Journal of Scientific Research 28 (4): 348-356, 2020 ISSN 1990-9233 © IDOSI Publications, 2020, DOI: 10.5829/idosi.mejsr.2020.348.356

50- IDE Nasr Al Din, Solving Bernoulli Differential Equations by using Newton's Interpolation and Lagrange Methods, Computational and Applied Mathematical Sciences 5 (1): 18-22 2020, ISSN 2222-1328, © IDOSI Publications, 2020, DOI: 10.5829/idosi.cams.2020.18.2

51- IDE Nasr Al Din, Numerical study for Solving Bernoulli Differential Equations by using Runge-Kutta Method and "Newton's Interpolation and Aitken's Method", International Journal of Scientific and Innovative Mathematical Research(IJSIMR) Volume 8, Issue 5, 2020, PP 9-13 ISSN No. (Online) 2347-3142 DOI: <https://doi.org/10.20431/2347-3142.0805002> www.arcjournals.org

52- IDE Nasr Al Din, Solving Bernoulli Differential Equations by using Newton's Interpolation and Aitken's Methods, International Journal of Scientific and Innovative Mathematical Research(IJSIMR) Volume 8, Issue 6, 2020, PP 1-5 ISSN No. (Online) 2347-3142 DOI: <https://doi.org/10.20431/2347-3142.0806001> www.arcjournals.org

53- IDE Nasr Al Din , Comparison of Newton's Interpolation and Aitken's Method with Runge-Kutta Method for Solving First Order Differential Equation, Middle-East Journal of Scientific Research 28 (5): 391-394, 2020 ISSN 1990-9233© IDOSI Publications, 2020, DOI: 10.5829/idosi.mejsr.2020.391.394

-Publishing plus of 40 papers, in Arabic, R.J. of Aleppo University (SYRIA).

Books. (Arabic)

- 1-Logic Algebraic , 1993– Publications of the University of Aleppo.
- 2- Numerical Analysis and Programming, 2006, Publications of the University Of Aleppo.
- 3- Numerical Analysis (2), 2007, Publications of the University of Aleppo
- 4- Numerical Analysis, 2011, Publications of the University of Aleppo

Supervising graduate studies

Supervision and granting a large number of master's and doctoral degrees

Reviewer or editorial member of the following Journals and Congress:

- 1- Applied Mathematics and Computation. Elsevier Editorial, Amsterdam, Netherlands.
- 2- Mathematics and Computer Modelling.
- 3- ICNAAM 2008.
- 4- International Journal of Computer Mathematics.
- 5- R.J. of Aleppo University (SYRIA).

- 6- R.J. of Damascus University (SYRIA).
- 7- R.J. of AL bath University (SYRIA)
- 8-Member of the specific scientific committee and editorial review board of the Journal "World Academy of Science, Engineering and Technology"
- 9- World Applied Science Journal -WASJ journal-.
- 10- "*Science Journal of Applied Mathematics and Statistics*" (SJAMS), Science PG, Science publishing group, USA.
- 11-Editorial Board in "American Journal of Applied Mathematics", Science PG, Science publishing group, USA.
- 12- "Pure and applied mathematics journal", Science PG, Science publishing group, USA.
- 13- British Journal of Mathematics & Computer Science, Sciencedomain international. <http://www.sciencedomain.org>.
- 14-Journal of Scientific Research and Reports, ScienceDOMAIN international.
- 15- Membership of American Association for Science and Technology (AASCIT), membership number is 1002852.
- 16- Organizing committee in the 4th World Congress on Engineering and Technology (CET 2014).
- 17-Journal of Basic and Applied Research International,(JOBARI), International Knowledge Press.
- 18- Asian Journal of Mathematics and Computer Research, (AJOMCOR), International Knowledge Press.
- 19- British Journal of Applied Science & Technologie, Sciencedomain international. <http://www.sciencedomain.org>.
- 20 -Journal of Applied Mathematics and Physics (JAMP, ISSN Online: 2327-4379).
- 21-Journal of Engineering and Applied Mathematics, DJ publication.
- 22- Advances in Research, SCIENCEDOMAIN international.
- 23-**International Journal of Systems Science and Applied Mathematics, SciencePG.**
- 24- **American Journal of Computational Mathematics, Scientific research publishing, ISSN Print: 2161-1203, ISSN Online: 2161-1211.**
- 25- *International Journal of Systems Science and Applied Mathematics (IJSSAM)*, SciencePG.
<http://www.sciencepublishinggroup.com/j/ijssam>, The Official Publication of Science Publishing Group.
- 26- Applied Mathematics, Scientific research publishing, ISSN Print: 2152-7385 ISSN Online: 2152-7393,
Website: <http://www.scirp.org/journal/am>
- 27- Science Journal of Applied Mathematics and Statistics, SciencePG.
- 28- International Journal of Discrete Mathematics (DMATH)
<http://www.sciencepublishinggroup.com/j/dmath>
The Official Publication of Science Publishing Group.
- 29-Journal of Inequalities and Application,

30-The 7th International Conference on Electronics, Communications and Networks (CECNet 2017). <http://www.cecnetconf.org>, Taiwan.

31– **Computational and Applied Mathematical Sciences (CAMS)**, **Editor-in-Chief**, ISSN : 2222-1328,IDOSI Puplication, International Didital Organisation for Scientific Information.

32- Studies in Nonlinear Sciences (SNS), **Editor-in-Chief**, ISSN : 2221-3910 EISSN : 2305-8331, IDOSI Puplication, International Didital Organisation for Scientific Information.

33- African Journal of Mathematics and Computer Science Research, Academic Journal, <http://www.academicjournals.org>

34- journal of advances in Mathematics and computer Science, SCIENCEDOMAIN international.

35- [Asian Journal of Probability and Statistics](http://www.sciencedomain.org), Sciencedomain international, www.sciencedomain.org.

36-Applied and Computational Mathematics, *SciencePG*.

37- International Scientific Committees, 2020 4th International Conference on Modelling, Simulation and Applied Mathematics. January 11-13, 2020, Wuhan, China.

38- Organizing committee in the 5th World Congress on Engineering and Technology (CET 2015).

39- **Journal of engineering and computer innovation**, Issn:2141-6508. Doi :10.5897/jeci, ACADEMIC JOURNALS.

40- Editorial Board Member, Journal of Computer Science and Artificial Intelligence- Gnome Publications.

41- Editorial Board Member, Journal of Mathematics, Statistics and Computing – Gnome Publications.

42- **Journal of Engineering Research and Reports**, Sciencedomain international. <http://www.sciencedomain.org>.

43- Open Physics, <https://techscience.com/journal/iasc>. Sciendo.

44- Intelligent Automation & Soft Computing, ISSN: 2326-005X. Tech Science Press.
