

## السيرة الذاتية



المعلومات الشخصية:

الاسم: د. رائد كامل ناجي جعفر التميمي

الجنسية: عراقية

تاريخ الولادة: ١٩٦٦-١٠-٢٤

الحالة الزوجية: متزوج

العنوان: قسم الرياضيات – كلية العلوم – جامعة بغداد – بغداد – العراق

تاريخ اول تعيين: ١٩٩٣

**المراكز الوظيفية:** مقرر قسم الرياضيات – كلية العلوم للفترة (2003-2011)

مقرر القسم للدراسات العليا – كلية العلوم – قسم الرياضيات للفترة (٢٠٠٩-٢٠١١)

رئيس قسم الرياضيات – كلية العلوم للفترة (25/9/2011 – 22/9/2014)

معاون عميد شؤون الطلبة للدراسات الاولية والعليا للفترة (1٧/9/2014 – 1٠/9/2015)

عميد كلية العلوم وكالة اعتبارا من ٢٠١٨/٩/١٦

**الرتبة العلمية الحالية:** استاذ

**الدرجة على بوابة البحث العلمى العالمى:** ٢٢,٦٦

[https://www.researchgate.net/profile/Raid\\_Naji2?ev=prf\\_high](https://www.researchgate.net/profile/Raid_Naji2?ev=prf_high)

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**البريد الالكتروني:**

ارقام الموبايل: 07901868685; 07724404669

**المؤهلات العلمية:**

بكلوريوس علوم رياضيات من كلية العلوم جامعة الموصل ١٩٨٨

ماجستير علوم رياضيات تطبيقية من كلية العلوم جامعة بغداد ١٩٩٣

دكتوراه في الرياضيات التطبيقية من المعهد الهندي التكنولوجي روركي (الهند) ٢٠٠٣

**الالاقاب العلمية:**

مدرس مساعد للفترة من ١٩٩٣ الى ٢٠٠٠

مدرس للفترة من ٢٠٠٣ الى ٢٠٠٦

استاذ مساعد للفترة من ٢٠٠٧ الى ٢٠١٢

استاذ اعتبارا من ٢٠١٢-٢-١٢

## المواد العلمية التي تم تدريسها في قسم الرياضيات:

### الدراسات الاولية: عددها (٧) مواد علمية مختلفة هي

1. *Finite Mathematics, (first year Bsc. students).*
2. *Probability and Statistics, (second year Bsc. students).*
3. *Numerical Analysis, (third year Bsc. students).*
4. *Chaos Theory, (third year Bsc. students).*
5. *Theory of Differential Equations, (fourth year Bsc. students).*
6. *Mathematical Modeling, (fourth year Bsc. students).*
7. *Financial Mathematics, (first year Bsc. students).*

### الدراسات العليا: عددها (٨) مواد علمية مختلفة هي

1. *Dynamical Systems, (Msc. students).*
2. *Advance dynamical systems, (Phd. Students).*
3. *Mathematical Modeling (Msc. students).*
4. *Nonlinear dynamics & Chaos, (Msc. students).*
5. *Topics in statistic, (Msc. students).*
6. *Advance statistic, (Phd. Students).*
7. *Differential Equations, (Msc. students).*
8. *Numerical methods using Matlab, (Msc. students).*

### البحوث المنشورة:

عددها (٨٢) منها (٢٠) في مجلات ثومسن رويتر و (٢٧) في مجلات سكوباس او ما يعادلها والبقية في مجلات علمية محلية وعربية رصينة وهي كما يلي

1. *S. S. Husain and R. K. Naji, Robust estimator for location parameters, Journal of the College of Business and Economics. (1995).*
2. *S. S. Husain and R. K. Naji, Robust estimator for location parameters, Journal of the College of Business and Economics. (1995).*
3. *S. Gakkhar and R. K. Naji, Chaos in three species ratio dependent food chain. Chaos, Solitons and Fractals 14: 771-778 (2002).*
4. *S. Gakkhar and R. K. Naji, Chaos in seasonally perturbed ratio-dependent prey-predator system. Chaos, Solitons and Fractals 15: 107-118 (2003).*

5. S. Gakkhar and R. K. Naji, Existence of chaos in two-prey, one-predator system. *Chaos, Solitons and Fractals* 17: 639-649 (2003).
6. S. Gakkhar and R. K. Naji, Order and chaos in predator to prey ratio-dependent food chain. *Chaos, Solitons and Fractals* 18:229-239 (2003).
7. S. Gakkhar and R. K. Naji, Seasonally perturbed prey-predator system with predator-dependent functional response. *Chaos, Solitons and Fractals* 18: 1075-1083 (2003).
8. S. Gakkhar and R. K. Naji. On a food web consisting of a specialist and a generalist predator. *Journal of Biological Systems*, Vol. 11, No. 4: 365-376 (2003).
9. S. Gakkhar; R. K. Naji; B. P. Singh. Chaos in Seasonally Perturbed Leslie-Gower type Prey Predator Model. *NATIONAL CONFERENCE ON NONLINEAR SYSTEMS & DYNAMICS, NC NSD-2003*, 282-284 (2003).
10. S. Gakkhar; B. P. Singh; R. K. Naji, Dynamical behavior of a prey-predator model with seasonally varying parameters. *Wseas Transection on Biology and Biomedicine*, 1(2): 210-214 (2004).
11. S. Gakkhar and R. K. Naji, Order and chaos in a food web consisting of a predator and two independent preys. *Communications in Nonlinear Science and Numerical Simulation*, Vol. 10, Issue 2: 105-120 (2005).
12. R. K. Naji and A. T. Balasim, Dynamical behavior of a three species food chain model with Beddington-DeAngelis functional response. *Chaos, Solitons and Fractals* 32: 1853-1866(2007).
13. R. K. Upadhyay, R. K. Naji and N. Kumari. Dynamical Complexity in Some Ecological Models: Effect of Toxin Production by Phytoplankton. *Nonlinear Analysis: Modelling and Control*, Vol. 12, No. 1, 123–138 (2007).
14. R. K. Naji and A. T. Balasim . On the dynamical behavior of three species food web model. *Chaos, Solitons and Fractals*, 34: 1636-1648 (2007).
15. R. K. Naji. On the dynamical behavior of a prey-predator model with the effect of periodic forcing. *Journal of Um-Salama for Science*, Vol. 4, No. 1: 147-157 (2007).
16. S. Gakkhar, B. Singh and R. K. Naji, Dynamical behavior of two predators competing over a single species. *BioSystems*, 90: 808–817 (2007).
17. R. K. Naji and I. H. Kasim. The Dynamics of Food Web Model with Defensive Switching Property. *Nonlinear Analysis: Modelling and Control*, Vol. 13, No. 2, 225–240 (2008).

18. R. K. Upadhyay and R. K. Naji, *Dynamics of A Three Species Food Chain Model With Crowley-Martin Type Functional Response*. *Chaos, Solitons and Fractals* 42:1337-1346 (2009).
19. R. K. Naji and A. J. Badai. *The dynamics of tri-trophic food web model with mixed selection of functional responses*. *Journal of Computer Science & Mathematics, University of Al-Qadisiyah* 1(1): 42-50 (2009).
20. R. K. Naji, R. K. Upadhyay, and V. Rai, *Dynamical consequences of predator interference in a tri-trophic model food chain*. *Nonlinear Analysis: Real World Applications* 11:809–818 (2010).
21. A. G. Naoum, R. K. Naji and H. Fadhil. *The dynamics of entire transcendental functions: Julia sets and bifurcation*. *Journal of Education College*, 1244-1269 (2010).
22. R. K. Naji and D. S. Al-Jaf. *The dynamics of stage structured prey-predator model involving parasitic infectious disease*. *Application and Applied Mathematics: An International Journal*, 6(12):529–551 (2011)
23. R. K. Naji and Safaa Jawad Ali, *The impact of intraspecific competition on dynamics of three species food web system*. *Journal of Education College*, Vol. 2:609 -622 (2011).
24. R. K. Naji and A. J. Badai. *A three species ratio-dependent food web model dynamics*. *Journal of Basrah Researches-Sciences*. 37(4D): 126-136 (2011).
25. R.K. Naji, E. F. Mohammed and A. T. Balasim. *Stability analysis of a stage structure prey-predator model*. *Dirasat, Pure Sciences*, 38(1): 15-23 (2011).
26. R. K. Naji and H. A. Ibrahim. *Chaos in harvested prey-predator model with infectious disease in the prey*. *Journal of Computer Science & Mathematics, University of Al-Qadisiyah* 3: 150-165 (2011).
27. R. K. Naji and H. A. Ibrahim. *The impact of disease and harvesting on the dynamical behavior of prey predator model*. *Iraqi Journal of Science*, 53 (1) 130-139 (2012).
28. R. K. Naji and A. A. Majeed. *Stability analysis of an ecological system consisting of a predator and stage structured prey*. *Iraqi Journal of Science*, 53 (1) 148-155 (2012).
29. R. K. Naji and K. A. Hasan. *The dynamics of prey-predator model with disease in prey*. *J. Math. Comput. Sci.* 2 (4) 1052-1072 (2012).
30. R. K. Naji, *Global stability and persistence of three species food web involving omnivory*. *Iraqi Journal of Science*, 53 (4) 866-876 (2012).

31. R. K. Naji and A. N. Mustafa. *The dynamics of an eco-epidemiological model with nonlinear incidence rate.* Journal of Applied Mathematics. Volume 2012, Article ID 852631, 24 pages (2012).
32. R. K. Naji and A. H. Lafta. *On the dynamics of discrete-time prey-predator system with ratio-dependent functional response.* *Iraqi Journal of Science*, 54 (1) 157-164 (2013).
33. R. K. Naji and R. M. Yaseen. *Modeling and Stability analysis of an eco-epidemiological Model.* *Iraqi Journal of Science*. 54 (2) 374-385 (2013).
34. R. K. Naji and R. N. Shalan. *The dynamics of Holling type IV prey predator model with intra-specific competition.* *Iraqi Journal of Science*. 54 (2) 386-396 (2013).
35. R. K. Naji and A. A. Muhssen. *Stability analysis with bifurcation of an SVIR epidemic model involving immigrants.* *Iraqi Journal of Science*. 54 (2) 397-408 (2013).
36. R. K. Naji and A. A. Aaid. *The dynamics of two harmful Phytoplankton and herbivorous Zooplankton system.* *Iraqi Journal of Science*. 54 (3) 676-695 (2013).
37. R. K. Naji and A. A. Muhseen. *Stability and bifurcation of Epidemic model.* *Iraqi Journal of Science*. 54 (3) 764-774 (2013).
38. R. K. Naji and A. A. Aaid. *The dynamics of one harmful Phytoplankton and two competing Zooplankton system.* *Iraqi Journal of Science*. 54 (3) 775-792 (2013).
39. R. K. Naji and R. N. Shalan. *Stability analysis of a stage structure prey-predator model with Holling type IV functional response.* *Iraqi Journal of Science*. 54 (3) 801-812 (2013).
40. R. K. Naji and K. A. Hasan. *Stability analysis and bifurcation of a discrete prey-predator model with Holling type - III.* International J. of Math. Sci. & Engg. Appls. 7(1) 1-12 (2013).
41. R. K. Naji and A. N. Mustafa. *The dynamics of a prey-predator model with existence of disease and pollution.* J. Math. Comput. Sci. 3 (1) 94-123 (2013).
42. R. K. Naji and O. A. Abdul Jabbar. *The dynamics of two species age-structure prey-predator model involving cannibalism.* Journal of Advanced Research in Applied Mathematics. 5 (2) 63-80 (2013).
43. R. K. Naji and A. N. Mustafa. *The dynamics of three species food web model with disease in the intermediate predator.* *Journal of Zankoy Sulaimani-part A*. 15 (2), 53-66 (2013).

44. R. K. Naji and S. K. Shafeeq. *The effects of treatment and immigrants on the dynamics of sis epidemic model.* Dirasat, Pure Sciences, 39(1): 73-82 (2013).
45. R. K. Upadhyay, R. K. Naji, S. N. Raw and B. Dubey. *The role of top predator interference on the dynamics of a food chain model.* Communications in Nonlinear Science and Numerical Simulation 18: 757-768 (2013).
46. R.K. Naji and N. F. Ali. *Modeling and Stability of Lotka-Volterra prey-predator system involving infectious disease in each population.* *Iraqi Journal of Science.* 55(2A) 491-505 (2014)
47. R. K. Naji and A. A. Majeed. *The impact of switching on the dynamics of prey-predator model for a switching tendency.* *Journal of Al-Nahrain University.* 17(2): 181-188 (2014).
48. R. K. Naji and R. R. Saadi. *The dynamics of four species ecological model.* *Iraqi Journal of Science.* 55(2A) 506-529 (2014)
49. S. J. Rashid and R. K. Naji. *Stability and bifurcation of aquatic food chain model.* Mathematical Theory and Modeling, 4(14): 94-112 (2014).
50. R. L. Tayeh and R. K. Naji. *Mathematical study of eco-epidemiological system.* Mathematical Theory and Modeling, 4(14): 172-200 (2014).
51. R. K. Naji, and A. A. Muhseen. *Modeling and analysis of an SVIRS epidemic model involving external sources of disease.* International Journal of Technology Enhancements and Emerging Engineering Research, 2 (10): 18-31 (2014).
52. S. Al-Momen, L. E. George, and R. K. Naji. *Texture classification using spline, wavelet decomposition and fractal dimension.* Applied and Computational Mathematics. 4(1): 5-10 (2015).
53. K. Q. Khalaf, A. A. Majeed and R. K. Naji. *The Dynamics of an SIS Epidemic Disease with Contact and External Source.* Mathematical Theory and Modeling, 5 (4): 184-197 (2015).
54. R. K. Naji and H. F. Ridha. *Modeling and analysis of bilharzia disease.* Mathematical Theory and Modeling, 5 (13): 101-115 (2015).
55. R. K. Naji, A. Y. Abdullah and H. R. Jameel. *The Dynamics of an Eco Epidemiological System Involving a Prey Refuge.* *Eng. & Tech. Journal*, 33 (2), Part (B): 235-251 (2015).

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57. S. Al-Momen, L. E. George, and R. K. Naji. Multifractal-Based Features for Medical Images Classification. *International Journal of Computer Techniques*. 2 (3): 6-13 (2015).
58. S. Al-Momen, L. E. George, and R. K. Naji. The Use of Gradient Based Features for Woven Fabric Images Classification. *British Journal of Mathematics & Computer Science*. 6 (1): 68-78 (2015).
59. R. K. Naji, B. N. Abood and A. A. M. Rasheed. A Study of a Prey-Predator System with Disease in Prey. *Eng. & Tech. Journal*, 33 (3), Part (B): 461-477 (2015).
60. K. Q. Khalaf, A. A. Majeed and R. K. Naji. The Local Bifurcation and the Hopf Bifurcation for Eco-Epidemiological System with One Infectious Disease. *Gen. Math. Notes*, 31 (1): 18-41 (2015).
61. H. F. M. Hussien, R. K. Naji, and A. A. Majeed. The dynamics of nutrient, toxic phytoplankton, nontoxic phytoplankton and zooplankton model. *International Journal of Applied Mathematical Research*, 5 (1): 48-62 (2016).
62. R. K. Naji and R. M. Hussien. The Dynamics of Epidemic Model with Two Types of Infectious Diseases and Vertical Transmission. *Journal of Applied Mathematics*. Volume 2016, Article ID 4907964, 16 pages (2016).
63. R. K. Naji and H. F. Ridha. The dynamics of a chicken pox disease in a stage structure population. *Global Journal of Engineering Science and Researches*. 3(3): 111-128 (2016)
64. S. J. Ali, N. Md. Arifan, R. K. Naji, F. Ismail and N. Bachok. Dynamics of Leslie-Gower model with simplified Holling type IV functional response. *Journal of Nonlinear Systems and Applications*, 25-33 (2016).
65. R. K. Naji and H. F. Ridha. The Dynamics of Four Species Food Web Model with Stage Structure. *International Journal of Technology Enhancements and Emerging Engineering Research*, 4 (3): 13-32 (2016).
66. Raid Kamel Naji and Hassan Fadhil Ridha. The Dynamics of a Prey-Predator Model Incorporating SVIS-Type of Disease in Prey. *IOSR Journal of Mathematics (IOSR-JM)*. 12 (2) Ver. I: 90-101, (Mar. - Apr. 2016).

67. H. Abdul Satar and R. K. Naji. Study of prey-predator system with vertical transmitted disease in predator. *Global Journal of Engineering Science and Researches*. 3(4): 128-139 (2016).
68. S. J. Ali, N. Md. Arifan, R. K. Naji, F. Ismail and N. Bachok. Analysis of ecological model with holling type IV functional response. *International Journal of Pure and Applied Mathematics*, 106 (1): 317-331 (2016).
69. R. K. Naji and R. A. Hamodi. The dynamics of an ecological model with infectious disease. *Global Journal of Engineering Science and Researches*. 3(8): 69-89 (2016).
70. S. J. Ali, N. Md. Arifan, R. K. Naji, F. Ismail and N. Bachok. Controlling chaotic dynamics of a continuous ecological model. *International Journal of Pure and Applied Mathematics*, 109 (2): 177-191 (2016).
71. R. K. Naji and S. J. Majeed. The Dynamical Analysis of a Prey-Predator Model with a Refuge-Stage Structure Prey Population. *International Journal of Differential Equations*. Volume 2016, Article ID 2010464, 10 pages.
72. R. K. Naji and S. R. Jawad. The dynamics of prey-predator model with a reserved zone. *World Journal of Modelling and Simulation*, 12 (3) 175-188 (2016).
73. R. K. Naji and S. J. Majeed. A Study of Delayed Prey-Predator Model with Stage-Structure in Predator. *Global Journal of Pure and Applied Mathematics*, 13 (9): 6647–6671 (2017).
74. R. K. Naji and Burhan Haqi Abdulateef. The dynamics of SIcIR model with nonlinear incidence rate and saturated treatment function. *Sci. Int. (Lahore)*, 29 (6), 1223-1236, (2017).
75. R. K. Naji and S. J. Majeed. Dynamical analysis of a schistosomiasis transmission model of human with saturated treatment function. *Sci.Int.(Lahore)*, 30 (1), 21-32, (2018).
76. Ahmed Sami Abdulghafour and Raid Kamel Naji, The impact of refuge and harvesting on the dynamics of prey-predator system. *Sci.Int.(Lahore)*, 30 (2), 315-323, (2018)
77. R. K. Naji and S. J. Majeed. A Study of Prey-Predator Model with Stage-Structure in Predator. **Accepted** at *World Journal of Modelling Simulation*, England, United Kingdom (Des, 2017).



78. R.K. Naji and A. A. Thirthar. Stability and bifurcation of an SIS epidemic model with saturated incidence rate and treatment function. *Iranian Journal of Mathematical Sciences and Informatics*. Accepted (21-3-2018).
79. R. K. Naji and S. J. Majeed. The Dynamical Analysis of a Delayed Prey-Predator Model with a Refuge-Stage Structure Prey Population. *Iranian Journal of Mathematical Sciences and Informatics*. Accepted (7-07-2018).
80. S. J. Ali, N. Md. Arifan, R. K. Naji, F. Ismail and N. Bachok. Global stability of a three species predator-prey food chain dynamics. *DCDIS, series B*. Accepted (25-5-2018)
81. A. A. Thirthar and R. K. Naji . The Dynamics of an SIS epidemic model with two delays *Journal of Advanced Research in Dynamical and Control Systems*. Vol. 10, 10-Special Issue, 2018
82. Ahmed Sami Abdulghafour and Raid Kamel Naji. A Study of a Diseased Prey-Predator Model with Refuge in Prey and Harvesting from Predator. *Journal of Applied Mathematics*, Volume 2018, Article ID 2952791, 17 pages, (2018).

الكتب المنشورة: عددها (٤) في دور نشر عالمية وهي

1. A. Ali and R.K. Naji. ***Stability analysis of some epidemic models***. *Lambert Academic Publishing (LAP)*, AV/Akademikerverlag GmbH & Co. KG, *Germany* (2013).
2. R. M. Yaseen and R.K. Naji. ***On the dynamics of some Eco-Epidemiological Models***. *Lambert Academic Publishing (LAP)*, OmniScriptum GmbH & Co. KG, *Germany* (2013).
3. R. Raad and R.K. Naji. ***The dynamics of the multi-interactions ecological systems***. *Lambert Academic Publishing (LAP)*, OmniScriptum GmbH & Co. KG, *Germany* (2014).
4. S. Al-Momen, L. E. George and R. K. Naji. ***Texture analysis using fractal, wavelet & cubic spline representations***. *Lambert Academic Publishing (LAP)*, OmniScriptum GmbH & Co. KG, *Germany* (2015).

فصول الكتب المنشورة: عددها (فصل واحد في) سبرنكر

1. S. J. Ali, N. Md. Arifan, R. K. Naji, F. Ismail and N. Bachok. ***“Boundedness and Stability of Leslie–Gower Model with Sokol–Howell Functional Response”***. *Chapter 2 in “Recent Advances in Mathematical Sciences”*. Edited by Adem Kılıçman, Hari M.

Srivastava, M. Mursaleen and Zanariah Abdul Majid. *Springer Science + Business Media Singapore 2016.*

المؤتمرات العلمية: عددها (١٨) مؤتمر بضمنها (٧) مؤتمرات عالمية

1. ***National conference on Mathematical Modelling and Computer Simulation, ISMMACS 2002, India.*** “Chaos in one predator, two preys system with Holling type-II functional response”.
2. ***National conference on nonlinear systems & dynamics, NCNSD-2003, India.*** “Chaos in seasonally perturbed Leslie–Gower type prey-predator model”.
3. ***The Second Conference on Mathematical Sciences CMS'2008, Zarqa Private University, Jordan.*** “The effect of switching and group defense on two prey-one predator model”.
4. ***The First Scientific Conference of the Computer Science & Mathematics, College of Computer Science & Mathematics, Al-Qadisiyah University, Iraq (2008).*** “The dynamics of tri-trophic food web model with mixed selection of functional responses”.
5. ***The Third Scientific Conference, College of science, Baghdad University (2009).*** “Stability and Persistence of a Food Web Model”.
6. ***The 17<sup>th</sup> scientific conference of Education College Al-Mustansirya University, 2010.*** “The dynamics of entire transcendental functions”.
7. ***International Conference of Mathematics and its applications (ICMA2011)- College of Education- Basra University, 2011.*** “A three species ratio-dependent food web model dynamics”.
8. ***The third Scientific Conference of the Computer Science & Mathematics, College of Computer Science & Mathematics, Al-Qadisiyah University, Iraq (2011).*** “Chaos in harvested prey-predator model with infectious disease in the prey”.
9. ***The third Conference on Mathematical Sciences CMS'2011, Zarqa Private University, Jordan, 2011.*** The dynamics of a ratio-dependent tri-trophic food web model.
10. ***The 18<sup>th</sup> scientific conference of Education College Al-Mustansirya University, 2011.*** “The impact of intraspecific competition on dynamics of three species food web system”.

11. *The first international conference of applied and pure mathematics, 8-9, May, 2013. Department of Mathematics, College of Science, University of Baghdad, Iraq.* “The impact of switching on the dynamics of prey-predator model for a switching tendency”. *Joint with A. A. Majeed.*
12. *The first international conference of applied and pure mathematics, 8-9, May, 2013. Department of Mathematics, College of Science, University of Baghdad, Iraq.* “Stability and bifurcation of epidemic model”. *Joint with A. A. Muhseen.*
13. *The first international conference of applied and pure mathematics, 8-9, May, 2013. Department of Mathematics, College of Science, University of Baghdad, Iraq.* “The effect of disease transition from different sources on the dynamics of eco-epidemiological model”. *Joint with R. M. Yaseen.*
14. *The first international conference of applied and pure mathematics, 8-9, May, 2013. Department of Mathematics, College of Science, University of Baghdad, Iraq.* “The dynamics of one harmful phytoplankton and two competing zooplankton system”. *Joint with A. A. Aaid.*
15. *The first international conference of applied and pure mathematics, 8-9, May, 2013. Department of Mathematics, College of Science, University of Baghdad, Iraq.* “Stability analysis of a stage structure prey-predator model with Holling type IV functional response”. *Joint with R. N. Shalan.*
16. *ICREM7/25-27 August 2015- KUALA LUMPUR, MALAYSIA.* “Boundedness and Stability of Leslie–Gower Model with Sokol–Howell Functional Response” *joint with S. J. Ali et al.*
17. *ICREM7/25-27 August 2015- KUALA LUMPUR, MALAYSIA.* “Boundedness and Stability of Leslie–Gower food chain Model with Holling type IV Functional Response” *joint with S. J. Ali et al.*
18. *ICREM7/25-27 August 2015- KUALA LUMPUR, MALAYSIA.* “The dynamics of a stage structure prey predator model with viral infectious disease” *joint with D. S. AL-Jaf.*

الإشراف على طلبية الدراسات العليا: عددهم (٢٣) طالب وطالبة ماجستير ادهم مستمر لحد الان  
(٩) طالب وطالبة دكتوراه اثنان منهم مستمرين لحد الان

1. Alla Tariq Balasim (M.Sc. student). Thesis title: *On the dynamical behavior of multi-species ecological systems* (2005). University of Baghdad, IRAQ.
2. Intisar Hathm Kasim (M.Sc. student). Thesis title: *The effect of switching and group defense on the stability of interacting species* (2006). University of Baghdad, IRAQ.
3. Alaa Jabar Badaiy (M.Sc. student). Thesis title: *The dynamics of tritrophic food webs* (2007). University of Baghdad, IRAQ.
4. Hiba Abdullah Ibrahim (M.Sc. student). Thesis title: *On the dynamics of the harvested prey-predator models with infectious disease in prey* (2008). University of Baghdad, IRAQ.
5. Safaa Jwad (M.Sc student). Thesis title: *On the dynamical behavior of multi-species ecological models with intra-specific competition* (2009). University of Baghdad, IRAQ.
6. Shireen Rasool Al-Jaf (M.Sc. student). Thesis title: *Stability analysis of prey-predator models with a reserved zone and stage structure* (2009). University of Baghdad, IRAQ.
7. Kawa Ahmed Hassan (Phd student). Thesis title: *The Dynamics of Multi-species Ecological and Epidemiological Systems* (2010). University of Sulaimani, IRAQ.
8. Dina Sultan Al-Jaf (M.Sc. student). Thesis title: *The dynamic of stage structured prey-predator systems involving infectious disease* (2010). University of Baghdad, IRAQ.
9. Shrouq Kadhum (M.Sc student). Thesis title: *The dynamics of some epidemiological models.* (2011). University of Baghdad, IRAQ.
10. Muna Mansour (MSc. Student). Thesis title: *The effect of toxicant on some ecological models.* (2011). University of Baghdad, IRAQ.
11. Omer Abdulstar (M.Sc student). Thesis title: *The effect of cannibalism on ecological models.* (2011). University of Baghdad, IRAQ.
12. Rash Majeed Yaseen (M.Sc student). Thesis title: *On the dynamics of some eco-epidemiological models.* (2012). University of Baghdad, IRAQ.
13. Rihab Noory . (M.Sc student). Thesis title: *On the dynamics of some prey-predator models with Holling type-IV functional response.* (2012). University of Baghdad, IRAQ.

14. Ahmed Ali Muhssen (M.Sc. student). Thesis title: *Stability analysis of some epidemic models.* (2012). University of Baghdad, IRAQ.
15. Israa Ayed (M.Sc. student). Thesis title: *The effect of Toxin producing plankton on the dynamics of phytoplankton-zooplankton systems.* (2012). University of Baghdad, IRAQ.
16. Arkan Nuzad Mustafa (Phd student). Thesis title: *The dynamic of ecological and epidemiological systems.* (2013). University of Sulaimani, IRAQ.
17. Nidhal Faisal Ali (M.Sc. student). Thesis title: *On the dynamics of predator-prey models involving disease in both the population.* (2013). University of Baghdad, IRAQ.
18. Haneen Ridha Jameel (M.Sc. student). Thesis title: *Modelling and stability analysis of eco-epidemiological systems involving a prey refuge,* (2014). University of Technology, Baghdad, Iraq.
19. Alaa Abbas M. Rasheed (M.Sc. student). Thesis title: *The impact of predator switching on the dynamics of eco-epidemiological models,* (2014). University of Technology, Baghdad, Iraq.
20. Saad Almomen (Phd student). Thesis title: *Texture analysis using fractal, wavelet & cubic spline representations* (2015). University of Baghdad, IRAQ.
21. Rana Latef (M.Sc. student). Thesis title: *Mathematical study of a prey-predator model with disease in two populations.* (2014). University of Baghdad, IRAQ.
22. Sara Jabbar Rashid (M.Sc. student). Thesis title: *Stability and bifurcation of aquatic food chain model,* (2014). University of Baghdad, IRAQ.
23. Hassan Fadhel (Phd student). Thesis title: *The dynamics of epidemiological and ecological models.* (2016). University of Baghdad, IRAQ.
24. Reem Madher (M.Sc. student). Thesis title: *The dynamics of epidemic model with two types of infectious diseases,* (2016). University of Baghdad, IRAQ.
25. Rasha Ali Hamodi Alrawi (M.Sc. student). Thesis title: *The dynamics of an ecological model with infectious disease.* (2017). University of Baghdad, IRAQ.
26. Salam Jasim Majeed (Phd. Student). Thesis title: *The delayed ecological and epidemiological systems: modeling and analysis.* (2017). University of Baghdad, IRAQ.
27. Safaa Jwad (Phd student). Thesis title: *Dynamics of ecological models with multi-types functional responses.* (2017). Universiti PUTRA MALAYSI.

28. *Burhan Huq (M.Sc. student). Thesis title: The impact of carriers on the transmission of infectious disease. (2017). University of Baghdad.*
29. *Ashraf Adnan. (Phd. Student). Thesis title: Mathematical modeling and analysis of disease transmission dynamics. In progress. University of Baghdad*
30. *Huda Abdul Star. (Phd. Student). Thesis title: Stability and bifurcations in ecological and epidemiological models. In progress. University of Baghdad*
31. *Nabaa Hussein. (M.Sc. student). Thesis title: The effect of fear on the dynamical system of ecological systems. In progress. University of Baghdad.*
32. *Hiba Abdul Allah Abraheem. (Phd. Student). Thesis title: The complex dynamics of some ecological and epidemiological systems. In progress. University of Baghdad*

**مقوم علمي في المجالات العلمية العالمية والمحلية:**

1. Mathematical Review,
2. Applied Mathematics Modelling,
3. Differential Equations and Dynamical Systems
4. Discrete Dynamics in Nature and Society
5. Some of Elsevier Journals
6. Some of Hindawi Journals
7. Most of the scientific Journals in Iraq.
8. Science International (Lahor).
9. International Journal of Biomathematics

**عضو في هيئة تحرير بعض المجالات العالمية:**

1. The Scientific World Journal: Mathematical Analysis. (Up to June, 2016)

**عضو في اللجان الاتية:** لجنة الترقيات العلمية المركزية لجامعة بغداد منذ ايلول ٢٠١٦

اللجنة الوزارية لوضع الية ومعايير المجالات العلمية

عضو او رئيسا لعدد من اللجان الوزارية ولاغراض مختلفة

عضو مجلس كلية ٢٠١١ - ٢٠١٥

عضو مجلس قسم الرياضيات منذ عام ٢٠٠٣

اللجنة العلمية لقسم الرياضيات منذ عام ٢٠٠٣

رئيس مجلس كلية العلوم حاليا

عضو في مجلس الجامعة حاليا

التشكرات منذ ٢٠١١ – (٢٠١٨/٨/٣١): السيد رئيس الوزراء (١)

مكتب رئيس الوزراء (١)

السيد وزير التعليم العالي والبحث العلمي (٣)

السيد رئيس جامعة بغداد (٩)

السيد رئيس جامعة النهريين (١)

السيد المساعد لجامعة بغداد (١٣)

السيد وكيل السيد الوزير (١)

شكر من السادة العمداء (٣٢)

عدد المناقشات منذ عام ٢٠١١ – (٢٠١٨/٨/١٣): ٦٩

الاهتمامات العلمية:

**General Fields:** *Mathematical Biology, Mathematical Statistic, Mathematical Modeling, Dynamical Systems and Numerical Analysis.*

**Specific Topics:** *Complex dynamics, Population Dynamics, Differential Equations.*