# Academic Curriculum Vitae

## Personal Information:

Full Name: Dr. Andam Ali Mustafa
Academic Title: Lecturer
Email: andam.mustafa@su.edu.krd
Mobile: 009647504302367

## Education:

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| Nov. 1, 2018 – Sep. 25, 2023 | Ph.D. in Università Roma Tre in Rome, Italy. |
| Nov. 16, 2013 – Mar. 3, 2015 | M.Sc. in Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Sep. 1, 2004 – Jul. 5, 2009 | B.Sc. in Mathematics Department, College of Science, Salahaddin University-Erbil. In my cycle, I was the second-best student. |
| Sep. 1, 2001 - Oct 30, 2004 | Baccalaureate at Kurdistan High School, Erbil. |

## Employment:

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| Oct. 22 ,2022 - Now | I am a lecturer at the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Mar. 31, 2015 – Oct. 22 ,2022 | I was an assistant lecturer at the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Oct. 22, 2009 – Mar. 30, 2015 | I was an assistant researcher at the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Nov. 1, 2015 – Feb. 1, 2018 | I was an assistant lecturer at Noble Private Institute, Erbil. |
| Sep. 6, 2016 – Oct. 3, 2018 | I was director of the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Sep. 2015 – Sep. 2017 | I was a member of the final examination committee at the Mathematics Department, College of Science, Salahaddin University-Erbil. |

## Qualifications:

## Language Skills:

Mother Language: Kurdish.

| Other languages | Understanding | | Speaking | | Writing |
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| | Listening | Reading | Spoken Interaction | Spoken Production | |
| English | B1 | B1 | B1 | B1 | B2 |
| Arabic | C1 | C1 | B1 | B1 | B1 |
| Italian | Simple Communication. | | | | |

## Computer Skills:

| Information Technology | Latex | Matlab | Maple | Mathematica | Microsoft Office | Pari GP |
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# Teaching experience:

## Some of the subjects that I taught:

| Numerical Analysis | Calculus I, II | Foundation of Mathematics | Matlab Lab | |
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| Linear Algebra | Computation of Mathematics | Complex Analysis | Algebra | |

# Research and publications:

| 2014 | Laplace decomposition and Semigroup decomposition methods to solve Glycolysis system in one-dimension, *International Journal of Mathematical Engineering and Science (IJMES)*, Volume 3, Issue 2, (2014), 35-53. |
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| 2015 | Homotopy Analysis Method to solve Glycolysis system in one dimension, *Zanko journal of pure and applied Sciences*, Vol. 17, No.2, (2015). |
| 2017 | Numerical Solution of Fisher–KPP Equation by Using Reduced Differential Transform Method and Comparison with Wave Solution, *6th International Conference and Workshops on Basic and Applied Sciences AIP Conf. Proc.* 1888, 020045-1–020045-11 (2017). |
| 2018 | I collaborated on a Scriba with Amir Akbary titled value-distribution of cubic L-function. |
| 2019 | Together with Florian Luca, I co-wrote a Scriba with the title coordinates of pell equations in various sequences. |
| 2021 | Density of the "quasi r-rank Artin problem", *Functiones et Approximatio, Commentarii Mathematici* 65(1), 73–93. |
| 2022 | Divisibility of reduction in groups of rational numbers II. *International Journal of Number Theory*, 1-14. |

# Conferences and courses attended:

## Participated in:

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| Nov. 14-18, 2009 | I participated in the first Iraqi-French Mathematics Conference in cooperation with the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Oct 11-12, 2015 | I attended the first Swedish-Kurdish workshop on Educational Aspects of Applied and Industrial Mathematics, which was organized by the University of Zakho and Lund University. |
| Dec. 20-30, 2015 | I participated in CIMPA – West Asia Mathematical School – Kurdistan Region, under the title "Boundary value problems and approximations", organized by the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Dec. 18-29, 2016 | I participated in CIMPA – West Asia Mathematical School – Kurdistan Region, under the title "Iterative methods for solving the boundary's Data reconstruction problem", organized by the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| May 29 - Jun. 9, 2017 | I participated in the CIMPA-ICTP research school on Artin L-functions, Artin's primitive roots conjecture and applications in Nesin Mathematics Village, Şirince, Turkey. |
| Jul. 1-13, 2017 | I participated in the WAMS research school on Topics in Analytic and Transcendental Number Theory at the Institute for Advanced Studies in Basic Sciences (IASBS) Zanjan, Iran. |
| Apr. 16-17, 2018 | I participated in Atelier PARI/GP 2018b at Aula Urbano VIII, Argiletum, Via Madonna dei Monti 40, Università Roma Tre, Rome, Italy. |
| Apr. 18-20, 2018 | I participated in the fourth mini symposium of the Roman number theory association in Aula Urbano VIII, Argiletum, Via Madonna dei Monti 40, Università Roma Tre, Rome, Italy. |
| May 21-25, 2018 | I participated in Wams school on The Mathematics of Artin's Conjectures at Emil Artin International School in Mathematics for Students, Yerevan State University, Yerevan, Armenia. |
| Apr. 8-9, 2019 | I participated in Atelier PARI/GP 2019b at Aula Urbano VIII, Argiletum, Via Madonna dei Monti 40, Università Roma Tre, Rome, Italy. |
| Apr. 10-12, 2019 | I participated in the fifth mini symposium of the Roman Number Theory association in Aula Urbano VIII, Argiletum, Via Madonna dei Monti 40, Università Roma Tre, Rome,Italy. |
| Nov. 5, 2019 | I participated in the IEEE workshop 2019: researching, publishing, and networking, which was held at Roma Tre University, Engineering Department-Conference Room. |
| Jan., 2020 | I completed level B1 of an academic English course at the University Language Centre (CLA). |

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| Jan., 2020 | I reached level A2 in the Italian language course that is held at the University Language Centre (CLA). |
| May. 7-10, 2023 | I was a section chair for the ICOWOBAS2023 conference at Tishk International University. |

## Local Organized:

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| Mar. 12-17, 2017 | Organizing committee member for CIMPA – West Asia Mathematical School, with the title "Local Topics in algebraic number theory and Diophantine approximation," at the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Mar. 18-19, 2017 | I was an IT team member at the 6th International Conference and Workshop on Basic and Applied Science, at the Mathematics Department, College of Science, Salahaddin University-Erbil. |
| Sep. 13-16, 2021 | Organizing committee member of PWF's second summer school on Particle Physics and Cosmology, at Salahaddin University-Erbil. |
| Oct. 7 - 15, 2021 | Organizing committee member of on-line activities to prepare for a pair of WAMS schools in Kurdistan, Iraq, which are about topics in Algebraic Number Theory at Salahaddin University-Erbil and Commutative Algebra at University of Sulaimani. |
| Aug. 22-28, 2022 | Organizing committee member of the WAMS research school on Topics in Algebraic Number Theory at Salahaddin University-Erbil. |
| Aug. 28 -Sep 2, 2022 | Organizing committee member of the TICMA2022 conference at Salahaddin University-Erbil. |

## Some of the subjects that I took:

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| Linear Algebra | Numerical Analysis | Analytic Number Theory | Integral equation |
| Abstract Algebra | Mathematical Analysis | Algebraic Number Theory | Finite Mathematics |
| Calculus I, II | Elementary Number Theory | Elliptic Cryptosystem | Complex Analysis |
| Topology | Differential equations | Graph Theory | Operation research |

## Funding and academic awards:

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| 2018 | I got a scholarship from Roma Tre University. |
| 2022 | I got a grant for the WAMS school from the CIMPA organization under the title "Topics in Algebraic Number Theory" hosted by Salahaddin University-Erbil. |
| 2023 | I got a fund from the EMS organization for a proposal to send SUE students to Mathematic Village. |

# Professional memberships:

| 2021 | I am a member of the CIMPA Organization. |
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# Professional Social Network Accounts:



# Cover Letter:

Andam graduated from the Department of Mathematics in the College of Science at Salahaddin University-Erbil in 2009. From 2009 to 2013, he worked as a research assistant in the same department, and he earned a master's degree in numerical analysis in 2015. As well, he served as a lecture assistant from 2015 to 2022. Furthermore, he completed his doctorate in analytical number theory at Roma Tre University in 2022. Currently, he is a lecturer in the department.

In 2016–2017, he was appointed director and a member of the undergraduate final exam committee of the department. At present, he is the head of quality assurance for the department. He has also published numerous articles in national and international journals. In addition, he participated in and organized many workshops, symposiums, and conferences, which are described in greater detail in his curriculum vitae.

# References:

1. Francesco Pappalardi, Dipartimento di Matematica e Fisica, Università degli Studi Roma Tre, Phone: (39)-6-57338243, Fax: (39)-6-57338080, e-mail: pappa@mat.uniroma3.it.
2. Herish omer Abdullah, Mathematics Department, College of Science, Salahaddin University-Erbil, Phone: +964-750-4550470, e-mail: herish.abdullah@su.edu.krd.
3. Michel Waldschmidt, Sorbonne Universit´e, Institut Math´ematique de Jussieu, Pone: + 33 (0)6 83 17 29 06, e-mail: michel.waldschmidt@imj-prg.fr.