CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI *(Personal Details)*			
Nama Penuh *(Full Name)*	AMIRAH BINTI ABD LATIF		Gelaran *(Title):* DR.
No. MyKad / No. Pasport *(Mykad No. / Passport No.)* 850817-10-5212	Warganegara *(Citizenship)* MALAYSIA	Bangsa *(Race)* MALAY	Jantina *(Gender)* FEMALE
Jawatan *(Designation)*	SENIOR LECTURER	Tarikh Lahir *(Date of Birth)*	17TH OF AUGUST 1985

Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
DEPARTMENT OF PHYSICS FACULTY OF SCIENCE UNIVERSITI PUTRA MALAYSIA 43400 UPM SERDANG SELANGOR. Tel: 03-8946 6985 Fax: 03-8945 4454	E-mail:amirahlatif@upm.edu.my URL: http://profile.upm.edu.my/amirahlatif H/P:017-2926298

B. KELAYAKAN AKADEMIK *(Academic Qualification)*			
Nama Sijil / Kelayakan *(Certificate / Qualification obtained)*	Nama Sekolah Institusi *(Name of School / Institution)*	Tahun *(Year obtained)*	Bidang pengkhususuan *(Area of Specialization)*
PHD DEGREE	UNIVERSITY OF MALAYA	2013	PHOTONICS
BSC DEGREE	UNIVERSITY OF MALAYA	2008	APPLIED PHYSICS
MALAYSIAN CERTIFICATE	HULU SELANGOR SCIENCE SECONDARY SCHOOL	2003	SCIENCE
PMR	ABD JALIL NATIONAL SECONDARY SCHOOL	2000	-

C. KEMAHIRAN BAHASA *(Language Proficiency)*					
Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English				•	
Bahasa Melayu					•
Chinese		•			
Lain-lain *(other):*	•				

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN
(Scientific experience and Specialisation)

Organization	*Position*	*Start Date*	*End Date*	*Expertise*
IEEE Sensors Journal	reviewer	*May 2014*	-	-
Applied Optics	reviewer	*Jun 2014*	-	-
1ST Topical Meeting on Lasers and Optoelectronics	TREASURER	7/2/2009	10/2/2009	Organizing conference
2ND Topical Meeting on Lasers and Optoelectronics	SECRETARY	13/3/2010	15/3/2010	Organizing conference
5th International Conference on Solid State Science and Technology (ICSSST 2015)	Scientific committee	13 /12/2015	16/12/2015	Organizing conference
International Fundamental Science Congress 2018 (iFSC)	Scientific committee	23/10/2019	24/10/2019	Organizing conference
International Conference on Nano-Bio Sensing, Imaging, and Spectroscopy 2017	Invited speaker	22/2/2017	24/2/2017	-

E. ANUGERAH DAN HADIAH *(Honours and Awards)*

Name of awards	*Title*	*Award Authority*	*Award Type*	*Year*
Academic Awards	BRIGHT SPARKS UM	UNIVERSITY OF MALAYA	NATIONAL	2012
	SILVER MEDAL, UMEXPO	UNIVERSITY OF MALAYA	NATIONAL	2009
	GOLD MEDAL, UMEXPO	UNIVERSITY OF MALAYA	NATIONAL	2010
	WINTER SCHOOL ON OPTICS, TRIESTE, ITALY	UNIESCO	INTERNETIONAL	2014
Non-Academic Awards	-			
Awards of Merit	-			

F. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) *(List of publications – author (s), title, journal, volume, page and year published)*

Journal	AS PER ATTACHED
Books/Monographs	-
Chapter in book	-
Proceedings	-
Other publications	-
Computer software	-

List of Publications

1. Ahmad H, Zulkifli MZ, **Latif AA**, Harun SW. Tunable dual wavelength fiber laser incorporating AWG and optical channel selector by controlling the cavity loss. Optics Communications. 2009,282(24):4771-5.

2. **Latif AA**, Zulkifli MZ, Awang NA, Harun SW, Ahmad H. A simple linear cavity dual-wavelength fiber laser using AWG as wavelength selective mechanism. Laser Physics. 2010,20(11):2006-10.

3. **Latif AA**, Awang NA, Zulkifli MZ, Harun SW, Ghani ZA, Ahmad H. Dual-wavelength tunable fibre laser with a 15-dBm peak power. Quantum Electronics. 2011,41(8):709-14.

4. Ahmad H, Zulkifli MZ, **Latif AA**, Thambiratnam K, Harun SW. Bidirectional S-band continuous wave operation in a depressed-cladding erbium doped fiber amplifier. Journal of Optoelectronics and Advanced Materials. 2009,11(5):547-53.

5. Ahmad H, Zulkifli MZ, **Latif AA**, Thambiratnam K, Harun SW. Dual wavelength fibre laser with tunable channel spacing using an SOA and dual AWGs. Journal of Modern Optics. 2009,56(16):1768-73.

6. Ahmad H, Zulkifli MZ, **Latif AA**, Thambiratnam K, Harun SW. 17-channels S band multiwavelength Brillouin/Erbium Fiber Laser co-pump with Raman source. Laser Physics. 2009,19(12):2188-93.

7. Ahmad H, Zulkifli MZ, **Latif AA**, Hassan NA, Ghani ZA, Harun SW. 120 nm wide band switchable fiber laser. Optics Communications. 2010,283(21):4333-7.

8. **Latif AA**, Zulkifli MZ, Hassan NA, Harun SW, Ghani ZA, Ahmad H. A compact O-plus C-band switchable quad-wavelength fiber laser using arrayed waveguide grating. Laser Physics Letters. 2010,7(8):597-602.

9. Ahmad H, Zulkifli MZ, **Latif AA**, Harun SW. O-BAND MULTI-WAVELENGTH FIBER LASER. Journal of Nonlinear Optical Physics & Materials. 2010,19(2):229-36.

10. Ahmad H, Zulkifli MZ, **Latif AA**, Harun SW. Novel O-band tunable fiber laser using an array waveguide grating. Laser Physics Letters. 2010,7(2):164-7.

11. Awang NA, Ahmad H, **Latif AA**, Zulkifli MZ, Ghani ZA, Harun SW. O-band to C-band wavelength converter by using four-wave mixing effect in 1310 nm SOA. Journal of Modern Optics. 2010,57(21):2147-53.

12. Ahmad H, Awang NA, **Latif AA**, Zulkifli MZ, Ghani ZA, Harun SW. Wavelength conversion based on four-wave mixing in a highly nonlinear fiber in ring configuration. Laser Physics Letters. 2011,8(10):742-6.

13. Awang NA, Zulkifli MZ, **Latif AA**, Harun SW, Ahmad H. Stable power multi-wavelength fibre laser based on four-wave mixing in a short length of highly non-linear fibre. Journal of Optics. 2011,13(7).

14. Ahmad H, Zulkifli MZ, Hassan NA, **Latif AA**, Harun SW. High gain S-band semiconductors optical amplifier with double-pass configuration. Laser Physics. 2011,21(7):1208-11.

15. **Latif AA**, Ahmad H, Awang NA, Zulkifli MZ, Pua CH, Ghani ZA, et al. Tunable high power fiber laser using an AWG as the tuning element. Laser Physics. 2011,21(4):712-7.

16. Ahmad H, **Latif AA**, Norizan SF, Zulkifli MZ, Harun SW. Flat and compact switchable dual wavelength output at 1060 nm from ytterbium doped fiber laser with an AWG as a wavelength selector. Optics and Laser Technology. 2011,43(3):550-4.

17. Awang NA, Ahmad H, **Latif AA**, Zulkifli MZ, Harun SW. Four-wave mixing in dual wavelength fiber laser utilizing SOA for wavelength conversion. Optik. 2011,122(9):754-7.

18. Awang NA, Ahmad H, **Latif AA**, Zulkifli MZ, Ghani ZA, Harun SW. Wavelength conversion based on FWM in a HNLF by using a tunable dual-wavelength erbium doped fibre laser source. Journal of Modern Optics. 2011,58(7):566-72.

19. Zulkifli MZ, Tamchek N**, Latif AA**, Harun SW, Ahmad H. Flat output and switchable fiber laser using AWG and broadband FBG. Optics Communications. 2009,282(13):2576-9.

20. Muhammad FD, Zulkifli MZ, **Latif AA**, Harun SW, Ahmad H. Graphene-Based Saturable Absorber for Single-Longitudinal-Mode Operation of Highly Doped Erbium-Doped Fiber Laser. IEEE Photonics Journal. 2012,4(2):467-75.

21. Ahmad H, Awang NA, **Latif AA**, Harun SW. Generation of high power pulse of Bi-EDF and octave spanning supercontinuum using highly nonlinear fiber. Microwave and Optical Technology Letters. 2012,54(4):983-7.

22. Ahmad H, Awang NA, Paul MC, Pal M, **Latif AA**, Harun SW. All fiber passively mode locked zirconium-based erbium-doped fiber laser. Optics and Laser Technology. 2012,44(3):534-7.

23. Ahmad H, **Latif AA**, Zulkifli MZ, Awang NA, Harun SW. High power dual-wavelength tunable fiber laser in linear and ring cavity configurations. Chinese Optics Letters. 2012,10(1).

24. Ahmad H, Zulkifli MZ, **Latif AA**, Jemangin MH, Chong SS, Harun SW. Tunable single longitudinal mode S-band fiber laser using a 3 m length of erbium-doped fiber. Journal of Modern Optics. 2012,59(3):268-73.

25. Ahmad, H, **Latif AA**, Awang, N A, Zulkifli, MZ, Thambiratnam, K, Ghani, Z A, Harun, S W (2012). Wide-band fanned-out supercontinuum source covering O-, E-, S-, C-, L- and U-bands. Optics and Laser Technology, 44(7), 2168-2174.

26. Ahmad, H, **Latif, AA**, Zulkifli, MZ, Awang, NA, Harun, SW (2012). Temperature sensing using frequency beating technique from single-longitudinal mode fiber laser. IEEE Sensors Journal, *12*(7), 2496-2500.

27. Ahmad, H, **Latif, AA**, Kudus, MIMA, Zulkifli, AZ, Zulkifli, MZ, Thambiratnam, K, Harun, SW(2013). Highly Stable Graphene-asisted tunable dual-wavelength erbium-doped fiber laser. Applied Optics, *52*(4), 818-823.

28. Awang, NA, **Latif AA** , Zulkifli, MZ, Ghani, ZA, Harun, SW, Ahmad, H (2013). S+ C + L –band tunable wavelength conversion using FWM dual-wavelength fiber laser in a highly nonlinear fiber. Microwave and Optical Technology Letters, 55(2), 379-382.

29. Ahmad, H, **Latif, AA**, Taib JM, Harun, SW (2013). Tunable, low frequency microwave generation from AWG based closely-spaced dual-wavelength single-longitudinal-mode fiber laser. Journal of the European optical society-rapid publications, 8(13038).

30. Ahmad, H, **Latif, AA**, and Harun, SW (2013). Closely spaced, dual-SLM fiber laser for microwave generation with a single FBG. Microwaves and Optical Technology Letters,55(9), 2011-2015.

31. Zakaria, R., Norizan, S.F., Latif, A.A. (2013) . The attraction of physics for women in Malaysia. AIP Conference Proceedings, 1517, pp. 124-125.

32.Ahmad, H, Zulkifli, MZ, Norizan, SF, **Latif, AA** and Harun, SW (2009). Controllable wavelength channels for multiwavelength brillouin bismuth/erbium based fiber laser. Progress in Electromagnetics Research Letters, 9,9-18.

33. Razali, NF, Bakar, MHA, Tamchek N, Yaacob MH, **Latif AA**, Zakaria K, Mahdi MA (2015). Fiber Bragg grating for pressure monitoring of full composite lightweight epoxy sleeve strengthening system for submarine pipeline. Journal of Natural Gas Science and Engineering, 26, 135-14.

34. **Latif, AA**, Mohamad, H, Bakar, MHA, Muhammad, FD, Mahdi, MA(2016). Carbon nanotube-based mode-locked wavelength-switchable fiber laser via net gain cross section alteration. Laser Physics, 26 (2), 025106.

35. Halip, NHM, Isa, NS, **Latif, AA**, Mahdi, MA and Abu, MH.(2016). Asymmetric fiber taper for narrow linewidth comb filter. Jurnal Teknologi,78(3),117-121.

36. Lau KY, **Latif, AA**, Bakar, MHA and Mahdi, MA,(2016). High signal-to-noise ratio Q-switching erbium doped fiber laser pulse emission utilizing single layer trivial transfer graphene film Saturable absorber..Jurnal Teknologi,78(3),129-133.

37. Radzali, R, **Latif, AA**, Al-Alimi, AW, Mahdi, MA, Bakar, MH Abu. (2016) Highly Nonlinear Fiber-Assisted Multiwavelength Generation in Linear Cavity Thulium-Doped Fiber Laser. IEEE Photonics Journal, 8 (5)1.

38. Ahmad, H,Salim, MAM, Ali, ZA, Ismail, MF, Thambiratnam, K, Latif, AA, Nayan, N, Harun, SW. (2016) Titanium dioxide-based Q-switched dual wavelength in the 1 micron region Chinese Optics Letters.14 (9) 91403.

39. Ahmad, H., Amiri, IS, Soltanian, MRK, **Latif, A A**, Norizan, S F., Alavi, SE. (2016) Multi dual-wavelength generation using InGaAsP/InP passive microring resonator with two sides apodized gratings, Materials Express.6 (3) 245-251.

40. Ahmad, H, Ghasemi, M, Amiri, IS, Ariannejad, MM, Norizan, SF, **Latif, AA**, Soltanian, MRK. (2017) Gold cone metasurface MIC sensor with monolayer of graphene and multilayer of graphite. Plasmonics, 12 (2) 497-508.

41. Lau, KY, Muhammad, FD, **Latif, AA**, Bakar, MH Abu, Yusoff, Z, Mahdi, MA.(2017) Passively mode-locked soliton femtosecond pulses employing graphene saturable absorber. Optics and Laser Technology, 94, 221-227.

42. Umar, SA, Halimah, MK, Chan, KT, **Latif, AA**. (2017) Polarizability, optical basicity and electric susceptibility of Er3+ doped silicate borotellurite glasses.Journal of Non-Crystalline Solids,471,101-109.

43. Zuikafly, SNF, Ahmad, F, Ibrahim, MH, **Latif, AA** and Harun, SW. (2017) Demonstration of passive saturable absorber by utilizing MWCNT-ABS filament as starting material. IOP Conference Series: Materials Science and Engineering,210(1) 12030.

44. Umar, SA, Halimah, MK, Chan, KT, **Latif, AA**(2017). Physical, structural and optical properties of erbium doped rice husk silicate borotellurite (Er-doped RHSBT) glasses. Journal of Non-Crystalline Solids,472,31-38.

45. Lau, KY, **Latif, AA**, Bakar, MH Abu, Muhammad, FD, Omar, MF, Mahdi, MA(2017). Mechanically deposited tungsten disulfide saturable absorber for low-threshold Q-switched erbium-doped fiber laser.Applied Physics B, 123(8), 221.

46. Faznny, MF, Halimah, MK, **Latif, A,**, Iskandar, S M (2017). Synthesis and Optical Characterization of Zinc Borotellurite Glass Doped with Lanthanum Nanoparticles. Solid State Phenomena, 268,23-27.

47. **Latif, A A**, Awang, NA, Zakaria, Z. (2017) Passively Mode-Locked Fiber Laser by Utilizing TTG film on a D-Shaped Fiber as a Saturable Absorber. Journal of Science and Technology,9,2.

48. Halip, NHM, Bakar, MHA, **Latif, AA**, Muhd-Yasin, SZ, Zulkifli, MI, Mat-Sharif, KA, Omar, NYM, Mansoor, A, Abdul-Rashid, HA, Mahdi, MA(2018). A narrow linewidth tunable single longitudinal mode Ga-EDF fiber laser. Optics and Laser Technology,101,413-418.

49. Usman, A., Halimah, MK, **Latif, AA**, Muhammad, F.D., Abubakar, AI(2018). Influence of Ho 3+ ions on structural and optical properties of zinc borotellurite glass system Journal of Non-Crystalline Solids.

50. Lau, KY, Bakar, MHA, Muhammad, FD, Latif, AA, Omar, MF, Yusoff, Z, Mahdi, MA (2018). Dual-wavelength, mode-locked erbium-doped fiber laser employing a graphene/polymethyl-methacrylate saturable absorber.Optics express 26,10, 12790-12800, Optical Society of America.

51. Lau, KY, Abidin, NHZ, Bakar, MHA, Latif, AA, Muhammad, FD, Huang, NM, Omar, MF, Mahdi, MA (2018) Passively mode-locked ultrashort pulse fiber laser incorporating multi-layered graphene nanoplatelets saturable absorber Journal of Physics Communications, 2, 7,5005.

52.Husin, Syarifah Aloyah Syed, Muhammad, Farah Diana, Norizan, Siti Fatimah, Latif, Amirah Abd, Awang, Noor Azura, Zulkifli, Mohd Zamani, (2018) Narrow core standard single mode fiber for supercontinuum generation from graphene-based mode-locked pulses Optik 172, 47-352.

53.Faznny, MF, Halimah, MK, **Latif, AA**, Muhammad, FD, Hasnimulyati, L. (2019) Optical Properties of La3+ NPs/Ag+ Co-Doped Zinc Borotellurite Glass Solid State Phenomena 290.

54. Halimah, MK, Umar, SA, Chan, KT, **Latif, AA**, Azlan, MN, Abubakar, AI, Hamza, AM. (2019) Study of rice husk silicate effects on the elastic, physical and structural properties of borotellurite glasses Materials Chemistry and Physics, 238, 121891.

55. Zazali, NA, **Latif, AA**, Lau, KY, Mahdi, MA, Muhammad, FD, Yusoff, Z, Abdul-Rashid, HA, Radzi, NM, Tamchek, N, Bakar, MH Abu. (2019) 860 femtoseconds mode-locked fiber laser by Gallium co-doped erbium fiber (Ga-EDF). Results in Physics (15) 102644.

56. Zalkepali, NUHH, Awang, NA, Yuzaile, YR, Zakaria, Z, **Latif, AA**, Ali, AH, Mahmud, NNHEN.(2019) Indium tin oxide thin film based saturable absorber for Q-switching in C-band region. Journal of Physics: Conference Series 1371(1) 12018.

57.Yuzaile, YR, Zakaria, Z, Zalkepali, NUHH, Awang, NA, **Latif, AA**, Mahmud, NNHE Nik (2019). Q-switched erbium-doped fiber laser employing gold thin film saturable absorber. Journal of Physics: Conference Series 13, 71, 1, 12014.

58. Yuzaile, YR, Awang, NA, Zalkepali, NUHH, Zakaria, Z, **Latif, AA**, Azmi, AN, Hadi, FS Abdul. (2019) Pulse compression in Q-switched fiber laser by using platinum as saturable absorber. Optik ,179,977-985.

59.Asyikin, AS, Halimah, MK, **Latif, AA**, Faznny, MF, Nazrin, SN.(2020) Physical, structural and optical properties of bio-silica borotellurite glass system doped with samarium oxide nanoparticles. Journal of Non-Crystalline Solids,529,119777.

60. MF Faznny, MK Halimah, C Eevon, AA Latif, FD Muhammad, AS Asyikin .(2020)Comprehensive study on the nonlinear optical properties of lanthanum nanoparticles and lanthanum oxide doped zinc borotellurite glasses. Optics & Laser Technology 127.

61. N Zalkepali, NA Awang, AA Latif, Z Zakaria, YR Yuzaile, N Mahmud. (2020). Switchable Dual-wavelength Q-switched Fiber Laser based on Sputtered Indium Tin Oxide as Saturable Absorber.Results in Physics, 103187.

62. NM Radzi, AA Latif, MF Ismail, JYC Liew, E Wang, HK Lee, N Tamcheck, Q-switched Fiber Laser based on CdS Quantum Dots as a saturable absorber. Results in Physics, 103123.