

CURRICULUM VITAE**NAME:**

IGOR NIKOLAYEVICH IEZHITSA

BORN:

JANUARY 1, 1971, JÜTERBOG, TELTOW-FLÄMING, BRANDENBURG, GERMANY

CITIZENSHIP / NATIONALITY:

RUSSIAN FEDERATION / RUSSIAN

PLACE OF WORK

1. INTERNATIONAL MEDICAL UNIVERSITY (IMU), SCHOOL OF MEDICINE, DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS, 126, JLN JALIL PERKASA 19, BUKIT JALIL, 57000 KUALA LUMPUR, FEDERAL TERRITORY OF KUALA LUMPUR, MALAYSIA
2. VOLGOGRAD STATE MEDICAL UNIVERSITY (VOLSMU) – *VOLGOGRÁDSKIĀ GOSUDÁRSTVENNĀYĀ MEDITSĪNSKIĀ UNIVERSITET*, RESEARCH INST. OF PHARMACOLOGY, PAVSHIKH BORTSOV SQ., 1, 400066, VOLGOGRAD, RUSSIA

CURRENT POSITIONS

1. **PROFESSOR OF PHARMACOLOGY** AT INTERNATIONAL MEDICAL UNIVERSITY (IMU), SCHOOL OF MEDICINE, DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS, KUALA LUMPUR, MALAYSIA
2. **SENIOR RESEARCH SCIENTIST** AT RESEARCH CENTRE FOR INNOVATIVE MEDICINES, VOLGOGRAD STATE MEDICAL UNIVERSITY – *VOLGOGRÁDSKIĀ GOSUDÁRSTVENNĀYĀ MEDITSĪNSKIĀ UNIVERSITET*, VOLGOGRAD, RUSSIA

DEGREES

PH.D. DEGREE IN PHARMACOLOGY (1998); *candidate of biological sciences* – name of the academic degree as used in Russia

DR. SCI. BIOL. DEGREE IN PHARMACOLOGY (2008); *doctor of biological sciences* – name of the academic degree as used in Russia

YEARS OF TEACHING EXPERIENCE**25 YEAR(S)****RESEARCH INTERESTS AND RESEARCH IMPACT METRICS**

Experimental Neuropharmacology and Toxicology,	Google Scholar:	h-index: 17
Neurodegeneration and Neuroprotection,	Scopus ID: 6701491713:	h-index: 14
Visual Neuroscience and Ocular Pharmacology	ResearcherID B-5687-2012:	h-index: 13

AUTHOR PROFILES in CITATION DATABASES AND ACADEMIC SOCIAL NETWORKING PLATFORMS

ORCID	0000-0002-2852-8486	http://orcid.org/0000-0002-2852-8486
ResearcherID	B-5687-2012	http://www.researcherid.com/rid/B-5687-2012
Publons		https://publons.com/author/1244166/igor-iezhitsa#profile
Scopus Author ID	6701491713	http://www.scopus.com/authid/detail.url?authorId=6701491713
eLibrary	118005	http://elibrary.ru/author_items.asp?authorid=118005
Scholar.google.com		https://scholar.google.com/citations?user=Xfc31NsAAAAJ&hl=en
ResearchGate		https://www.researchgate.net/profile/Igor_Lezhitsa?ev=prf_high
Mendeley		https://www.mendeley.com/profiles/igor-iezhitsa/
CNKI (China National Knowledge Infrastructure) – 中国知网	30896269	http://yuanjian.cnki.net/scholar/Result?AuthorFilter=30896269

HOME ADDRESS:**ADDRESS**M-Suite Residency, Unit B-16-02, Tower B,
283 Jalan Ampang, 50450 Kuala Lumpur, **Malaysia****PHONE / EMAIL****Tel: +60173649711**

WORK ADDRESS:

ADDRESS AND CURRENT NAME OF THE UNIVERSITY	PHONE / EMAIL
International Medical University (IMU), School of Medicine, Department of Pharmacology & Therapeutics; 126, Jln Jalil Perkasa 19, Bukit Jalil, 57000 Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, Malaysia	Tel.: +60327317031 E-mail: igoriezhitsa@imu.edu.my

EDUCATION

YEARS	DIPLOMAS AND DEGREES NAME OF THE UNIVERSITY AT THE TIME OF STUDY	ADDRESS AND CURRENT NAME OF THE UNIVERSITY
03/08/1989 – 30/06/1994	Diploma in Biology & Master Degree in Biology (M. Sc. Biology), Faculty of Biology, Department of Human and Animal Physiology, A. M. Gorky Ural State University (USU) , Yekaterinburg, Russia (Russian: <i>Уральский Государственный Университет им. А.М.Горького, Екатеринбург – Ural'skii Gosudárstvennyi Universitét Imeni A. M. Górkogo</i>)	Ural Federal University (UrFU) – Ural'skii Federal'nyi Universitet Imeni Pervogo Prezidenta Rossii B.N. Yel'tsina , Institute of Natural Sciences (Biology); Department of Human and Animal Physiology Lenina, 51, Yekaterinburg, Russian Federation (<i>Management Campus</i>) Kuibysheva, str. 48, Yekaterinburg, Russian Federation (<i>Academic Campus</i>)
01/10/1994 – 1/11/1997	Postgraduate Study (PhD), Volgograd Medical Academy (VMA) , Department of pharmacology, Volgograd, Russia. (Russian: <i>Волгоградская Медицинская Академия, Волгоград – Volgogradskaya Meditsinskaya Akademiya</i>)	Volgograd State Medical University (VoISMU) – Volgogradskii Gosudárstvennyi Meditsinskiĭ Universitét ; Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
04/06/1998	Ph.D. degree in Pharmacology (<i>Candidate of Biological Sciences</i> ¹ – name of the academic degree as used in Russia), Volgograd Medical Academy (VMA) (Russian: <i>Волгоградская Медицинская Академия, Волгоград – Volgogradskaya Meditsinskaya Akademiya</i>)	Volgograd State Medical University (VoISMU) – Volgogradskii Gosudárstvennyi Meditsinskiĭ Universitét ; Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
16/05/2008	Dr. Sci. Biol. degree in Pharmacology (<i>Doctor of Biological Sciences</i> ² – name of the academic degree as used in Russia), Volgograd State Medical University (VoISMU) (Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград – Volgogradskii Gosudárstvennyi Meditsinskiĭ Universitét</i>)	Volgograd State Medical University (VoISMU) – Volgogradskii Gosudárstvennyi Meditsinskiĭ Universitét ; Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation

WORK RECORD / EMPLOYMENT HISTORY

YEARS	PLACE OF WORK	ADDRESS
11/08/1998 – 04/08/1989	Hospital Attendant , The 1 st Regional Children's Hospital, Yekaterinburg	Regional Children's Hospital No 1, Serafima Deryabina St., 32, Yekaterinburg, 620149, Russian

¹ Doctor of Biological Sciences (Russian: *Кандидат Биологических Наук – Kandidat Biologicheskikh Nauk*), Scientific degree awarded by by State Supreme Certification Commission of Russian Federation (Russian: *Высшая аттестационная комиссия – Vysshaya Attestatsionnaya Komissiya*)

² Doctor of Biological Sciences (Russian: *Доктор биологических наук – Doktor biologicheskikh nauk*), Scientific degree awarded by State Supreme Certification Commission of Russian Federation (Russian: *Высшая аттестационная комиссия – Vysshaya Attestatsionnaya Komissiya*)

		Federation
	(Russian: <i>Областная детская клиническая больница №1, Екатеринбург – Oblastnaya detskaya klinicheskaya bolnitsa No 1</i>)	
01/10/1993 – 04/08/1994	Teacher of Biology and Chemistry , Secondary school No 130, Yekaterinburg	Secondary School No 130, Studencheskaya St., 26 Yekaterinburg, 620049, Russian Federation
	(Russian: <i>Средняя школа № 130, Екатеринбург – Srednyaya shkola No 130</i>)	
01/09/1994 – 01/10/1994 (1 month)	Senior Laboratory Assistant , Volgograd Medical Academy (VMA), (Drug Safety Laboratory, Research Inst. of Pharmacology), Volgograd.	Drug Safety Laboratory, Research Inst. of Pharmacology, Volgograd Medical Academy, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
	(Russian: <i>Волгоградская Медицинская Академия, Волгоград – Volgogradskaya Meditsinskaya Akademiya</i>)	
01/11/1997 – 10/06/2009 (term: 11 years 9 months)	Assistant Professor , Volgograd State Medical University (Department of Pharmacology), Volgograd	Department of Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
	(Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград – Volgogradskii Gosudárstvennyi Meditsinskii Universitet</i>)	
01/09/2000 – 29/12/2018 (term: 18 years 3 months)	Senior Research Scientist , Volgograd State Medical University (<i>Drug Safety Laboratory, Research Inst. of Pharmacology</i>), Volgograd	Drug Safety Laboratory, Research Inst. of Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
	(Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград – Volgogradskii Gosudárstvennyi Meditsinskii Universitet</i>)	
29/12/2018 – till present	Senior Research Scientist , Volgograd State Medical University (<i>Toxicology Laboratory, Research Centre for Innovative Medicines</i>), Volgograd	Toxicology Laboratory, Research Centre for Innovative Medicines, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
	(Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград – Volgogradskii Gosudárstvennyi Meditsinskii Universitet</i>)	
11/06/2009 – 10/06/2010 (term: 1 year)	Senior Lecturer of Pharmacology , Faculty of Medicine, Universiti Teknologi MARA, Shah Alam, Malaysia	Universiti Teknologi MARA, Faculty of Medicine, Level 20, Tower 1, Science & Technology Complex, 40450 Shah Alam, Selangor Darul Ehsan, Malaysia
28/06/2010 – 27/06/2013	Associate Professor of Pharmacology , Faculty of Medicine, Universiti Teknologi MARA UiTM), Malaysia	Universiti Teknologi MARA, Faculty of Medicine, Level 20, Tower 1, Science & Technology Complex, 40450 Shah Alam, Selangor Darul Ehsan, Malaysia
28/06/2013 – 27/06/2016		
28/06/2016 – 27/06/2018		
28/06/2018 – 27/06/2020 (term: 10 years)		Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
15/06/2019 – 15/06/2021 (term: 2 years)	Associate Fellow at Centre of Excellence (CoE) UiTM Institute of Pathology, Laboratory and Forensic Medicine (I-PPerForM) – <i>Pelantikan Sebagai Ahli Bersekutu Institut Kecemerlangan (CoE)</i> , Institute for Pathology, Laboratory and Forensic Medicine (I-PPerForM), Universiti Teknologi MARA, Malaysia	Universiti Teknologi MARA, 40450 Shah Alam, Selangor Darul Ehsan, Malaysia

01/07/2020 – 30/06/2023
(term: 2 years) **Professor of Pharmacology**, International Medical University (IMU), School of Medicine, Department of Pharmacology & Therapeutics, Kuala Lumpur, Malaysia
International Medical University (IMU), 126, Jln Jalil Perkasa 19, Bukit Jalil, 57000 Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia

ADMINISTRATIVE POSITIONS AND SPECIAL ADMINISTRATIVE TASKS AT DEPARTMENT, FACULTY AND UNIVERSITY LEVEL

YEARS	ADMINISTRATIVE POSITIONS AND SPECIAL ADMINISTRATIVE TASKS	ADDRESS
26/01/2010 – 08/09/2015 (term: 5 years 7 months)	Coordinator of Clinical Skills Lab (CSL) in Sungai Buloh Campus , Faculty of Medicine, Universiti Teknologi MARA UiTM), Malaysia	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
23/06/2015 – 22/06/2017 23/06/2017 – 22/06/2019 23/06/2019 – 22/06/2023 (term: 5 years)	Head of Centre for Neuroscience Reserch (NeuRon) , Faculty of Medicine, Universiti Teknologi MARA UiTM), Malaysia	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia

CONTRIBUTION AS A MEMBER IN COMMITTEE OR ORGANIZATION AT DEPARTMENT, FACULTY AND UNIVERSITY LEVEL

YEARS	MEMBER IN COMMITTEE OR ORGANIZATION AT DEPARTMENT, FACULTY AND UNIVERSITY LEVEL	ADDRESS
<i>Sesi Akademik</i> 2009/2010 – 2010/2011 2010/2011 – 2011/2012 2011/2012 – 2012/2013 2012/2013 – 2013/2014 2013/2014 – 2014/2015 2014/2015 – 2015/2016 2015/2016 – 2016/2017 2016/2017 – 2017/2018 2017/2018 – 2018/2019 2018/2019 – 2019/2020 (term: 10 years)	Member of the Committee for Preparation of Year 1 Examination Question Papers [Ahli Jawatankuasa Penyediaan Kertas Soalan Peperiksaan Tahun 1]	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
01.01.2011 – 22.06.2015 (term: 4 years 5 months)	Working Group Coordinator for Setting up Centre for Neuroscience Reserch (NeuRon) (Setting up Centre for Neuroscience Reserch in Faculty of Medicine, Universiti Teknologi MARA)	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
01.10.2019 – 30/09/2021 (term: 2 years)	Department (of Pharmacology) Representative for Research and Innovation in the Faculty of Medicine (Encouraging department research activity • Identifying and facilitating innovative funding sources and opportunitie •Leading research in supporting existing, and where appropriate, new research. • Active participation in appropriate research committees in Faculty of Medicine (Member of the Faculty Research Committee and Member of the Faculty	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia

Research Facility Committee). • Acting in an advocacy role for the department's research interest to the administration of Faculty of Medicine for purposes of recognition of scholarly efforts. • Cooperating with the Faculty's Research Office in promoting research and seeking external funding)

15.10.2013 – 14.10.2019	Member of the Faculty Research Facility Committee (<i>Acting in an advocacy role for the research interest of the Centre for Neurosciences (NeuRon) to the administration of Faculty of Medicine for purposes of acquisition of research tools and resources and recognition of scholarly efforts.</i>)	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
15.10.2019 – 14.10.2021 (term: 7 years)		
01.02.2019 – 31/01/2021 (term: 2 years)	Member of the Faculty Research Committee , Faculty of Medicine, Universiti Teknologi MARA UiTM, Malaysia	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia

MENTORSHIP AT DEPARTMENT, FACULTY AND UNIVERSITY LEVEL

YEARS	MENTORSHIP	ADDRESS
<i>Sesi Akademik</i> 2010/2011 – 2011/2012 2013/2014 – 2014/2015 2015/2016 – 2016/2017 2017/2018 – 2018/2019 2019/2020 – 2020/2021 (term: 10 years)	Mentor in Undergraduate Mentor Mentee Program (<i>Mentoring first- and second-year medical students to promote and help students in academic and professional development</i>)	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
2014 – 2020 (term: 6 years)	Mentor in Postgraduate Research Mentorship Program³ (<i>Mentorship program to provide effective and timely guidance of postgraduate students as mentees and to develop their research competencies</i>)	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
02/05/2018 – 02/05/2021 (term: 3 years)	Mentor in Project 121 (<i>Faculty's Mentorship program to increase the number of publication per staff per year</i>)	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
23/06/2015 – 22/06/2023 (term: 5 years)	Staff Mentorship in the Centre for Neuroscience Reserch (NeuRon) (<i>Mentorship program to provide effective and timely guidance of NeuRon staff as mentees and to develop their professional competencies • Mentee: Mr. Mohd Yazrie Yacob and Mr. Mohamad Razif B Mohamad Taib</i>)	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor Darul Ehsan, Malaysia
01/09/2019 – 31/08/2021	Research Project Mentor for the FRGS-RACER grant	Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh. Selangor

³ List of postgraduate students is provided in "Undergraduate Supervision" session.

(term: 2 years)

(Project title: "Unravelling mechanisms of neuroprotection by resveratrol in rats with intracerebral haemorrhage: new insight into the role of adenosine A1 receptor"; Mentee: Dr. Roqiah Fatmawati Binti Abdul Kadir, the Principal Investigator (PI) of the project)⁴

Darul Ehsan, Malaysia

MEMBERSHIP OF A PROFESSIONAL BODIES AND ASSOCIATIONS AT NATIONAL AND INTERNATIONAL LEVEL

YEARS	MEMBERSHIP OF A PROFESSIONAL BODIES AND ASSOCIATIONS	TYPE OF MEMBERSHIP
√ from 1995 till present	RUSSIAN SCIENTIFIC SOCIETY OF PHARMACOLOGISTS	Regular Member
√ from 2013 till present	MALAYSIAN SOCIETY OF PHARMACOLOGY AND PHYSIOLOGY, <i>PERSATUAN FARMAKOLOGI DAN FISILOGI MALAYSIA – MSPP</i>	Regular Member
√ 2007, 2018-2019	INTERNATIONAL SOCIETY FOR THE DEVELOPMENT OF RESEARCH ON MAGNESIUM – SDRM	Regular Member
2004	RUSSIAN SOCIETY OF TRACE ELEMENTS IN MEDICINE – RUSTEM	Regular Member

AWARDS AND RECOGNITIONS

YEARS	AWARDS / PRIZES / RECOGNITIONS	AMOUNT AND AWARDING BODY
5/1997	Travel Award of Young People Affairs Department (Administration of the Volgograd Region) for travelling to 11 th Noordwijkerhout-Camerino Symposium ("Trends in drug research", Noordwijkerhout, the Netherlands, 11-15 May 1997).	Young People Affairs Department, Administration of the Volgograd Region , Volgograd, Russian Federation
8/1999	Travel Award , 6 th International Congress on Amino Acids. Bonn, Federal Republic of Germany, 3-7 August 1999.	6 th International Congress on Amino Acids, Bonn, Federal Republic of Germany
05/10/2002	ECNP Fellowship Award for the presentation "Complex supplementation containing mineral bishofit (MgCl ₂ ·6H ₂ O) solution and pyridoxine hydrochloride normalises ethanol-induced magnesium depletion and corrects some behavioural disturbances during chronic alcoholisation", 15 th Congress of the European College of Neuropsychopharmacology (ECNP). Barcelona, Spain, 5-9 October 2002	ECNP : European College of Neuropsychopharmacology, Barcelona, Spain, EU • <i>Cash prize: 1,000 EUR</i>
5/2004	Travel Award of Ruveneks OOO (Moscow) for travelling to 8 th International Symposium on Metal Ions in Biology and Medicine. Hungarian Academy of Sciences, Budapest, Hungary, May 18-22, 2004	Ruveneks OOO, Moscow (<i>Рувенэкс ООО, Москва</i>) Russian Federation
23/11/2004	Academia Europaea Prize for young scientists of Russia for a series of publication on topic "Psycho- and neurotoxicological investigation of actoprotector drugs at acute and long-term administration", Russia, Moscow, November 23, 2004.	Academia Europaea , Russia, Moscow • <i>Cash prize: 1,000 US\$</i>
2/2005	Travel Grant from the Chair's Fund of Gordon Research Conference on Magnesium in Biochemical Processes & Medicine. Ventura, CA, USA.	Chair's Fund of Gordon Research Conference, USA • <i>Attendance fee 770 US\$ and travel 730 US\$</i>
5/2006	INTAS Conference Individual Grant for attending 9 th International Symposia on Metal Ions in Biology and	INTAS : International Association for Cooperation with Scientists from the former

⁴ Research Project Details are provided in "Research Projects" session.

- Medicine "Metal ions role in life: an integrated view". Centro de Congressos da Universidade Católica, Lisboa, Portugal, May 21-24, 2006. Soviet Union, Belgium, EU • *Attendance fee 420 EUR and travel 840 EUR*
- 10/2006 **Travel grant** of The Russian Foundation for Basic Research for attending 11th International Magnesium Symposium & Joint Meeting of the Japanese Society for Magnesium Research; Grant No 06-04-59012-3 **RFBR: The Russian Foundation for Basic Research, Russian Federation** • *Travel grant: 40,000 RUB*
- Travel grant** of 11th International magnesium symposium. Kashikojima, Japan, October 23-26, 2006. **11th International magnesium symposium, Kashikojima, Japan** • *Travel grant: 50,000 JPY*
- 5/2009 **The Volgograd Region Government Prize 2009** for Achievements in Science and Technology in nomination "The development and application of new teaching methods in education, publication of high-quality books and implementation of new teaching aids": 1st Prize for "THE RUSSIAN ENCYCLOPAEDIA OF NUTRITIONAL SUPPLEMENTS." (Eds.: V.I. Petrov and A.A. Spasov). Executive order of the Head of Administration of the Volgograd Region, Russian Federation, October 5, 2009, № 1162. **Administration of the Volgograd Region, Volgograd, Russian Federation**
- 18/11/2011 **DIANUGERAHKAN PERKHIDMATAN CEMERLANG UITM BAGI TAHUN 2010** **Universiti Teknologi MARA, Shah Alam, Malaysia** • *Cash prize: 1,000 MYR*
- Sijil Perkhidmatan Cemerlang, 2010. Universiti Teknologi MARA menganugerahkan Sijil Perkhidmatan Cemerlang kepada. Kerena telah menunjukkan perkhidmatan yang cemerlang pada tahun 2010. UiTM, 2011. [Certificate of Distinguished Service. Universiti Teknologi MARA awarded the Distinguished Service Certificate for outstanding service in 2010. Shah Alam, UiTM, 2011].*
- 25/02/2011 **The Russian Federation Government Prize 2010** for Achievements in Science and Technology for "The Research and Industrial Development of Know-How Biocatalysis Technology of L-Aspartic Acid and Innovative Medical Products on the Basis of its Salts", The Government of Russian Federation, Moscow, Executive order No. 285-r of February 25, 2011, "On Awarding Government Prizes for Achievements in Science and Technology in 2010". **The Government of Russian Federation, Moscow, Russian Federation** • *Cash prize: 1,000,000 RUB*
- 9/10/2012 **The Volgograd Region Government Prize 2012** for Achievements in Science and Technology in nomination "The development and application of new teaching methods in education, publication of high-quality books and implementation of new teaching aids": 1st Prize for Monograph "PHARMACOLOGY OF DRUG STEREOISOMERS" (Eds.: A.A. Spasov, A.A. Ozerov, I.N. Iezhitsa and P.M. Vasiliev). Executive order of the Head of Administration of the Volgograd region № 1091 of November 9, 2012. **Administration of the Volgograd Region, Volgograd, Russian Federation**
- 08/09/2013 **Best Oral Presenter Award** at the 27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (September 6-8, 2013) in Basic Sciences Category. Title of presentation: "Effect of liposomal magnesium taurate on altered magnesium homeostasis and calpain activity in the lens of galactosemic rats" **27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology, MS Garden Hotel, Kuantan, Pahang**
- 22/09/2014 **DIANUGERAHKAN PERKHIDMATAN CEMERLANG UITM BAGI TAHUN 2013** **Universiti Teknologi MARA, Shah Alam, Malaysia** • *Cash prize: 1,000 MYR*
- Sijil Perkhidmatan Cemerlang, 2013. Universiti Teknologi MARA menganugerahkan Sijil Perkhidmatan Cemerlang kepada. Kerena telah menunjukkan perkhidmatan yang cemerlang pada tahun 2013. UiTM, 2014. [Certificate of Distinguished Service. Universiti Teknologi MARA awarded the Distinguished Service Certificate for outstanding service*

in 2013. Shah Alam, UiTM, 2014].

- 26/08/2016 **DIANUGERAHKAN PERKHIDMATAN CEMERLANG UITM BAGI TAHUN 2015** **Universiti Teknologi MARA**, Shah Alam, Malaysia • *Cash prize: 1,000 MYR*
- Sijil Perkhidmatan Cemerlang, 2015. Universiti Teknologi MARA menganugerahkan Sijil Perkhidmatan Cemerlang kepada. Kerena telah menunjukkan perkhidmatan yang cemerlang pada tahun 2015. UiTM, 2016. [Certificate of Distinguished Service. Universiti Teknologi MARA awarded the Distinguished Service Certificate for outstanding service in 2015. Shah Alam, UiTM, 2016].*
- 04/09/2017 The winner of **RANZCO 2017 International Development Grant Program** to attend 49th RANZCO Annual Scientific Congress (The 49th Annual Scientific Congress of The Royal Australian and New Zealand College of Ophthalmologists), 28 Oct. – 1 Nov. 2017 **49th RANZCO Annual Scientific Congress (The 49th Annual Scientific Congress of The Royal Australian and New Zealand College of Ophthalmologists)**, Perth, Australia • *Attendance fee: 785 AU\$*
- 05/12/2018 **ANUGERAH PENULIS TERBAIK 2017** **Majlis Anugerah Akademik Universiti 2017**, Concorde Hotel, Shah Alam, Malaysia • *Cash prize: 2,000 MYR*
- Majlis Penganugerahan Anugerah Akademik UiTM 2017. [The winner of the 2017 UiTM Academic Award (AAU) in the category of Best Writer Award], Concorde Hotel, Shah Alam, Malaysia.*

RESEARCH CONSULTANCIES

TITLE	SOURCE	TOTAL FUNDS	ROLE (PRINCIPLE / CO-RESEARCHER)	YEARS, DURATION
MALAYSIA				
Workshop on "Stereotaxic-Guided Microinjection of Drug in Rodent", UKM Medical Centre, Jalan Yaacob Latif, Bandar Tun Razak, 56000 Batu 9 Cheras, Wilayah Persekutuan Kuala Lumpur	Gaia Science Sdn Bhd (Malaysia) No 60, Jalan Puteri 5/5, Bandar Puteri, 47100 Puchong, Selangor, Malaysia	2,000 Malaysian Ringgit	Consultant at Gaia Science (M) Sdn Bhd	One-Day Consultancy Project 8.03.2018 Completed

RESEARCH PROJECTS

TITLE	SOURCE OF FUND, RESEARCH PROJECT NUMBER, PLACE WHERE RESEARCH WAS CONDUCTED	TOTAL FUNDS	ROLE (PRINCIPLE / CO-RESEARCHER)	YEARS, DURATION, STATUS (COMPLETED/ON-GOING)
RUSSIAN FEDERATION				
1. R&D of medical products on the basis of natural mineral «bischofite»	SOURCE: Government of the Volgograd region, Volgograd, Russian Foundation PLACE: Volgograd State Medical University, Russian Federation	1,000,000.00 Russian Roubles	Co-researcher	2000-2001 Completed
2. Study to investigate pharmacological activity of "Asparkam-L"	SOURCE: Industrial Grant from «ZAO BIOAMID», Saratov, Russian Foundation PLACE: Volgograd State Medical University, Russian Federation	300,000.00 Russian Roubles	Co-researcher	2001-2002 Completed
3. Comparative	SOURCE: Industrial Grant from	300,000.00	Co-researcher	2004

pharmacological study of Carnitine stereoisomers.	«PIK-PHARMA», Moscow (Russian Foundation) PLACE: Volgograd State Medical University, Russian Federation	<i>Russian Roubles</i>		Completed
4. Disturbances of magnesium homeostasis and its correction in pathogenesis of urolithiasis	SOURCE: Research grant Russian Foundation for Basic Research (RFBR), the Government of the Russian Federation, Moscow, Russian Foundation RESEARCH PROJECT NUMBER: 07-04-96606 PLACE: Volgograd State Medical University, Russian Federation	<i>300,000.00 Russian Roubles</i>	Co-researcher	2007 Completed
5. Study to investigate pharmacological and toxicological properties of combined medicinal formulation of magnesium L-aspartate and pyridoxine	SOURCE: Industrial Grant from «ZAO BIOAMID», Saratov, Russian Foundation PLACE: Volgograd State Medical University, Russian Federation	<i>300,000.00 Russian Roubles</i>	Co-researcher	2009 Completed

MALAYSIA

1. Effect of magnesium taurate eye drops in rats with experimentally induced cataract	SOURCE: Excellence Fund, Universiti Teknologi MARA (UiTM), Malaysia RESEARCH PROJECT NUMBER: 600-RMI/ST/DANA 5/3/Dst (354/2011) PLACE: Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Malaysia	<i>10,000.00 Malaysian Ringgit</i>	Principle	<i>01.07.2011-10.10.2012</i> Completed
2. Studies to investigate mechanism of anticataract effect of magnesium taurate in rats	SOURCE: Excellence Fund, Universiti Teknologi MARA (UiTM), Malaysia RESEARCH PROJECT NUMBER: 600-RMI/DANA 5/3/RIF (491/2012) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	<i>32,000.00 Malaysian Ringgit</i>	Principle	<i>01.10.2012-30.09.2014</i> Completed
3. Studies to Investigate Trabecular Tissue Remodeling as a Mechanism of LOP lowering effect of Angiotensin II Type 1 Receptor Blockers in Oculohypertensive Rats	SOURCE: <i>Dana Pembudayaan Penyelidikan (RAGS)</i> , Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: AGS/2012/UITM/SKK03/2 600-RMI/RAGS 5/3 (108/2012), Sains Kesihatan dan Klinikal (Farmakologi) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	<i>80,000.00 Malaysian Ringgit</i>	Co-researcher (Principle: Dr. Nurul Raudzah Binti Adib Ridzuan)	<i>15.12.2012-14.12.2014</i> Completed
4. Mechanism of Neuroprotection by Magnesium Acetyltaurinate on Experimental Glutamate-Induced Exitotoxicity in Rat Retinal Ganglion Cells	SOURCE: <i>Dana Pembudayaan Penyelidikan (RAGS)</i> , Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: RAGS/2013/UITM/SKK03/2 600-RMI/RAGS 5/3 (103/2013), Sains Kesihatan dan Klinikal (Farmakologi)	<i>80,000.00 Malaysian Ringgit</i>	Co-researcher (Principle: Dr. Khairul Nizam Bin Rozali)	<i>15.09.2013-14.09.2015 ext. 14.03.2016</i> Completed

	PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia			
5. Mechanism of Neuroprotection by Magnesium Acetyltaurinate on Experimental Glutamate-Induced Excitotoxicity In Rat Retinal Ganglion Cells (Title has been changed to: Study to investigate Neuroprotective effect of Magnesium Acetyltaurinate on NMDA-induced retinal ganglion cell death)	SOURCE: <i>DANA Kecemerlangan Pendidikan UiTM Zamalah Sokongan Pasca-Siswazah (PSF) 4/2015 for PhD student Lidawani Lambuk (2014375257)</i> , Universiti Teknologi MARA, Malaysia RESEARCH PROJECT NUMBER: 600-RMI/DANA 5/3/PSF (14/2015) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	22,000.00 Malaysian Ringgit	Principle	01-04-2015 31-03-2016 Completed
6. Mechanism underlying anticataract effect of liposomal formulation of tocotrienol in streptozotocin-induced diabetic rats	SOURCE: <i>Dana Pembudayaan Penyelidikan (RAGS)</i> , Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: RAGS/2013/UITM/SKK03/5 600-RMI/RAGS 5/3 (105/2013) , <i>Sains Kesihatan dan Klinikal (Farmakologi)</i> PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	80,000.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Mohd Ikraam Bin Ibrahim)	15.09.2013- 14.09.2015 Completed
7. Study to investigate trabecular tissue remodelling as a mechanism of LOP lowering effect of angiotensin II type 1 receptor blockers in oculohypertensive rats (Part 3)	SOURCE: Cumulative Impact Factor Initiative (CIFI), <i>Tajuk Projek Asas (RAGS 2012)</i> "Study to investigate trabecular tissue remodelling as a mechanism of LOP lowering effect of angiotensin II type 1 receptor blockers in oculohypertensive rats" RESEARCH PROJECT NUMBER: 600-RMI/DANA 5/3/CIFI (145/2013) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	60,000.00 Malaysian Ringgit	Principle	01.12.2013- 30.11.2015 Completed
8. Retinal ganglion cell protection against endothelin-induced injury by magnesium acetyl taurinate in rats	SOURCE: <i>Dana Pembudayaan Penyelidikan (RAGS)</i> , Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: FGRS/1/2014/SKK01/UITM/5 600-RMI/RAGS 5/3 (40/2014) , <i>Sains Kesihatan dan Klinikal (Farmakologi)</i> PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	78,400.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Sabrillahakim Bin Sidek)	01.12.2014- 30.11.2016 Completed
9. Anti-remodelling mechanism of renin-angiotensin system inhibitors on trabecular meshwork: role of TGFβ	SOURCE: Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: FRGS/1/2014/SKK03/UITM/02/3 600-RMI/FRGS 5/3 (24/2014) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	184,160.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Anna Krasilnikova; Co: Dr. Siti Hamimah Binti Sheikh)	01.07.2014- 30.06.2017 Completed

			Abdul Kadir; Prof Dr Nafeeza Mohd Ismail; Dr. Renu Agarwal)	
10. BDNF-Related Anti-Neurodegenerative Mechanism and Histopathological Basis of Behavioral Changes In Amyloid-Induced Neurodegenerative Diseases	<p>SOURCE: <i>Skim Geran Penyelidikan Fundamental (FRGS) FASA 2/2014</i>, Ministry of Higher Education (MOHE), Malaysia</p> <p>RESEARCH PROJECT NUMBER: FGRS/2/2014/SG03/UITM/02/2 600-RMI/FRGS 5/3 (111/2014)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	108,000.00 Malaysian Ringgit	Principle	01.12.2014-30.11.2017 Completed
11. Increased MMP secretion and reduction of retinal oxidative stress as potential mechanisms of anti-glaucoma effects of resveratrol	<p>SOURCE: <i>Dana Pembudayaan Penyelidikan (RAGS)</i>, Ministry of Higher Education (MOHE), Malaysia</p> <p>RESEARCH PROJECT NUMBER: FGRS/1/2014/SKK01/UITM/4 600-RMI/RAGS 5/3 (39/2014)</p> <p><i>Sains Kesihatan dan Klinikal (Farmakologi)</i></p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	80,000.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Mohd Shukry Bin Mohd Khalid)	01.12.2014-30.11.2016 ext. 31-05-2017 Completed
12. Discovery and optimization of imidazobenzimidazoles as rho kinase (ROCK) inhibitors for IOP lowering effect in normotensive and oculohypertensive rats	<p>SOURCE: <i>Dana Pembudayaan Penyelidikan (RAGS)</i>, Ministry of Higher Education (MOHE), Malaysia</p> <p>RESEARCH PROJECT NUMBER: FGRS/1/2014/SKK03/UITM/1 600-RMI/RAGS 5/3 (46/2014)</p> <p><i>Sains Kesihatan dan Klinikal (Farmakologi)</i></p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	80,000.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Bushra Binti Johari)	01.12.2014-30.11.2016 ext. 31-05-2017 Completed
13. Studies to elucidate suppression of TGF-B2 as the mechanism of resveratrol-induced oculohypotension: in vivo and in vitro studies	<p>SOURCE: Ministry of Higher Education (MOHE), Malaysia</p> <p>RESEARCH PROJECT NUMBER: 600-RMI/FRGS TD 5/3 (2/2015)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	127,000.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Renu Agarwal)	01.12.2014-31.11.2017 Completed
14. Elucidation of Adenosine receptor signalling mechanisms involved in resveratrol-induced ocular hypotension: <i>in vivo</i> and <i>in vitro</i> studies	<p>SOURCE: <i>Skim Geran Penyelidikan Fundamental (FRGS) FASA 2/2014</i>; Ministry of Higher Education (MOHE), Malaysia</p> <p>RESEARCH PROJECT NUMBER: FGRS/2/2014/SG03/UITM/02/1 600-RMI/FRGS 5/3 (110/2014)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	125,400.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Renu Agarwal)	01.12.2014-30.11.2017 ext. 31-05-2018 Completed
15. Molecular Pharmacology and Advanced Therapeutics Research Group	<p>SOURCE: Universiti Teknologi MARA (UiTM), Malaysia</p> <p>RESEARCH PROJECT NUMBER: 600-IRMI/DANA 5/3/REI (0007/2016)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine,</p>	32,000.00 Malaysian Ringgit	Co-researcher (Principle: Dr. Norhafiza Binti Razali)	01-08-2016 31-07-2019 Completed

Sungai Buloh Campus, Malaysia

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| 16. Study to investigate anti-apoptotic effect of magnesium acetyltaurate on retinal cell death induced by NMDA | <p>SOURCE: <i>Geran Penyelidikan LESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI), Universiti Teknologi MARA, Malaysia</i></p> <p>RESEARCH PROJECT NUMBER: 600-IRMI/MyRA 5/3/LESTARI (0088/2016)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p> | 20,000.00
<i>Malaysian Ringgit</i> | Co-researcher

(Principle: Muhammad Iqbal Bin Abdul Hafidz; Co: Dr. Renu Agarwal; Prof Dr Nafeeza Mohd Ismail) | 01-07-2016
30-06-2018
Completed |
| 17. Effect of magnesium acetyltaurate on minerals and trace elements concentration in the rat retina after NMDA exposure | <p>SOURCE: <i>Geran Penyelidikan LESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI), Universiti Teknologi MARA, Malaysia</i></p> <p>RESEARCH PROJECT NUMBER: 600-IRMI/DANA 5/3/LESTARI (0076/2016)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p> | 20,000.00
<i>Malaysian Ringgit</i> | Co-researcher

(Principle: Aimi Binti Abdullah; Co: A/P Dr. Renu Agarwal; Prof Dr Nafeeza Mohd Ismail; A/P Dr. Anna Krasilnikova) | 01-07-2016
30-06-2018
Completed |
| 18. Time- and dose-dependent effects of amyloid beta1-40 peptide (A β 40) on retinal morphology and retinal ganglion cell survival | <p>SOURCE: <i>Geran Penyelidikan LESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI), Universiti Teknologi MARA, Malaysia</i></p> <p>RESEARCH PROJECT NUMBER: 600-IRMI/MyRA 5/3/LESTARI (0112/2016)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p> | 20,000.00
<i>Malaysian Ringgit</i> | Co-researcher

(Principle: Dr. Nur Hidayati Binti Mohd Sharif; Co: A/P Dr. Renu Agarwal; Prof Dr Nafeeza Mohd Ismail) | 01-07-2016
30-06-2018
Completed |
| 19. Involvement of C-Jun phosphorylation in the protective effect of magnesium acetyltaurate against endothelin-1-induced RGC apoptosis | <p>SOURCE: <i>Geran Penyelidikan LESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI), Universiti Teknologi MARA, Malaysia</i></p> <p>RESEARCH PROJECT NUMBER: 600-IRMI/DANA 5/3/LESTARI (0081/2016)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p> | 20,000.00
<i>Malaysian Ringgit</i> | Co-researcher

(Principle: Dr. Lily Diana Binti Zainudin; Co: A/P Dr. Renu Agarwal; Prof Dr Nafeeza Mohd Ismail; A/P Dr. Anna Krasilnikova) | 01-07-2016
30-06-2018
Completed |
| 20. Studies to elucidate stimulation of matrix metalloproteinase secretion as mechanism of resveratrol-induced intraocular pressure reduction | <p>SOURCE: <i>Geran Penyelidikan LESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI), Universiti Teknologi MARA, Malaysia</i></p> <p>RESEARCH PROJECT NUMBER: 600-IRMI/DANA 5/3/LESTARI (0082/2016)</p> <p>PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p> | 20,000.00
<i>Malaysian Ringgit</i> | Co-researcher

(Principle: Dr. Mohd Farhan Bin Hamdan; Co: A/P Dr. Renu Agarwal; A/P Dr. Anna Krasilnikova; Prof Dr Nafeeza Mohd Ismail) | 01-07-2016
30-06-2018
Completed |
| 21. Effects of resveratrol on ECM deposition by steroid-pretreated trabecular meshwork cells | <p>SOURCE: <i>Geran Penyelidikan LESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI), Universiti Teknologi MARA, Malaysia</i></p> <p>RESEARCH PROJECT NUMBER: 600-</p> | 20,000.00
<i>Malaysian Ringgit</i> | Co-researcher

(Principle: Dr. Ahmad Bakhtiar Bin Md Radzi; | 01-07-2016
30-06-2018
Completed |

	<p>IRMI/DANA 5/3/LESTARI (0075/2016) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>		Co: Dr. Renu Agarwal; A/P Dr. Anna Krasilnikova; Prof. Dr. Rohana Binti Abdul Ghani)	
22. Study to investigate mechanism of neuroprotection by taurine against NMDA-induced retinal ganglion cell death	<p>SOURCE: <i>Geran Penyelidikan BESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI)</i>, Universiti Teknologi MARA, Malaysia RESEARCH PROJECT NUMBER: 600-IRMI/MyRA 5/3/BESTARI (004/2017) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	40,000.00 Malaysian Ringgit	<p>Principle (Co: A/P Dr. Renu Agarwal; A/P Dr. Anna Krasilnikova; Prof Dr Nafeeza Mohd Ismail)</p>	01-03-2017 28-02-2019 Completed
23. Effect of taurine against endothelin-1 induced retinal and optic nerve injury	<p>SOURCE: <i>Geran Penyelidikan BESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI)</i>, Universiti Teknologi MARA, Malaysia RESEARCH PROJECT NUMBER: 600-IRMI/MyRA 5/3/BESTARI (006/2017) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	40,000.00 Malaysian Ringgit	<p>Co-researcher (Principle: A/P Dr. Renu Agarwal; Co: Prof Dr Nafeeza Mohd Ismail; A/P Dr. Anna Krasilnikova)</p>	01-03-2017 28-02-2019 Completed
24. Dose- and time-dependent effect of inhibitors of renin angiotensin system on dexamethasone-induced extracellular matrix deposition on cultured human trabecular meshwork cells.	<p>SOURCE: <i>Geran Penyelidikan BESTARI, Institut Pengurusan Penyelidikan & Inovasi (IRMI)</i>, Universiti Teknologi MARA, Malaysia RESEARCH PROJECT NUMBER: 600-IRMI/MyRA 5/3/BESTARI (013/2017) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	40,000.00 Malaysian Ringgit	<p>Co-researcher (Principle: Prof Dr Nafeeza Mohd Ismail; Co: A/P Dr. Renu Agarwal; A/P Dr. Anna Krasilnikova; Dr. Siti Hamimah Binti Sheikh Abdul Kadir)</p>	01-03-2017 28-02-2019 Completed
25. Mechanisms of the protective effect of magnesium aceryltaurate against endothelin 1 induced RGC apoptosis in rats	<p>SOURCE: <i>Geran Penyelidikan BESTARI PERDANA, Institut Pengurusan Penyelidikan & Inovasi (IRMI)</i>, Universiti Teknologi MARA, Malaysia RESEARCH PROJECT NUMBER: 600-IRMI/DANA 5/3/BESTARI (P) (003/2018) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia</p>	35,000.00 Malaysian Ringgit	<p>Co-researcher (Principle: Prof Dr. Renu Agarwal Co: Prof Dr Nafeeza Mohd Ismail)</p>	01-01-2018 31-12-2019 Completed
26. Mechanism of neuroprotection by philanthotoxin against NMDA-induced excitotoxicity in the retina of glaucoma rat model	<p>SOURCE: Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: FRGS/1/2017/SKK10/UNIKL/02/1 PLACE: Universiti Kuala Lumpur (UniKL)</p>	146,000.00 Malaysian Ringgit	<p>Co-researcher (Principle: Dr Izuddin Fahmy Bin Abu (UniKL); Co: A/P Dr. Renu Agarwal, Dr Ian Mellor, Dr Reezal</p>	18.08.2017- 31.05.2020 On-going

27. Mechanisms of action of resveratrol against dexamethasone-induced extracellular matrix remodeling by human trabecular meshwork cells	SOURCE: Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: FRGS/1/2018/SKK08/UITM/02/7 600-IRMI/FRGS 5/3 (064/2019) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	152,900.00 Malaysian Ringgit	Principle (Co: Renu Agarwal, Siti Hamimah Binti Sheikh Abdul Kadir, Nafeeza Binti Mohd Ismail, Puneet Agarwal)	2019-01-01 2021-12-31 On-going
28. Brain-derived neurotrophic factor attenuates amyloid beta 1-40 induced visual impairment in sprague dawley rats	SOURCE: <i>Yayasan Penyelidikan Otak, Minda dan Neurosains Malaysia (YPOMNM)</i> , Malaysia RESEARCH PROJECT NUMBER: YPOMNM/2019-04 (2) 100-IRMI/PRI 16/6/2 (010/2019) PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	5,000.00 Malaysian Ringgit	Principle (Co-Principle: Mohd Aizuddin Bin Mohd Lazaldin Renu Agarwal; Co: Renu Agarwal)	01-04-2019 31-03-2021 On-going
29. Mechanisms underlying the effect of resveratrol on extracellular matrix secretion by dexamethasone-treated human trabecular meshwork cells: focus on non-canonical tgf- β 2- signalling	SOURCE: Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: 600-IRMI/FRGS 5/3 (413/2019) FRGS/1/2019/SKK08/UITM/02/18 PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	134,800.00 Malaysian Ringgit	Co-researcher (Principle: Norhafiza Binti Razali; Co: Renu Agarwal, Nurul Alimah Binti Abdul Nasir)	01-09-2019 31-08-2021 On-going
30. Unravelling mechanisms of neuroprotection by resveratrol in rats with intracerebral haemorrhage: new insight into the role of adenosine A1 receptor	SOURCE: Ministry of Higher Education (MOHE), Malaysia RESEARCH PROJECT NUMBER: 600-IRMI/FRGS-RACER 5/3 (002/2019) RACER/1/2019/SKK10/UITM//1 PLACE: Universiti Teknologi MARA (UiTM), Faculty of Medicine, Sungai Buloh Campus, Malaysia	53,440.00 Malaysian Ringgit	Co-researcher Mentor (Principle: Roqiah Fatmawati Binti Abdul Kadir; Co: Noor Azliza Wani Binti Abd Aziz, Renu Agarwal)	01/09/2019 31/08/2021 On-going

UNDERGRADUATE SUPERVISION

STUDENT (NAME AND MATRIC NO.)	TITLE	LEVEL OF STUDY, (COURSE CODE)	SUPERVISORY STATUS (MAIN/CO-SUPERVISOR)	PROJECT STATUS (*COMPLETED, *ON-GOING)
RUSSIAN FEDERATION				
BACHELOR'S DEGREE COURSES / DIPLOMA RESEARCH PROJECT				
1. Ekaterina Aleksandrovna Maslova (<i>Екатерина Александровна Маслова</i>)	Magnesium deficiency and its correction in pathogenesis of hemorheological disturbances (Russian: <i>Нарушение гомеостаза магния и его коррекция органическими солями магния в патогенезе гемореологических нарушений – Narusheniye gomeostaza magniya i ego korrektsiya organicheskimi solyami magniya v</i>	Diploma research project , Volgograd State Medical University (Volgograd, Russia); Discipline code: 040800 "Medical Biochemistry" (<i>Специальность – 040800 "Медицинская биохимия"</i>)	Main	2005-2006 Completed in 2007

		<i>patogeneze gemoreologicheskikh narusheniy)</i>			
2.	Natalia Alekseyevna Ubushayeva (<i>Наталья Алексеевна Убушаева</i>)	Magnesium deficiency in pathogenesis of inflammatory conditions (Russian: <i>Нарушение гомеостаза магния и его коррекция в патогенезе воспаления – Narusheniye gomeostaza magniya i ego korrektsiya v patogeneze vospaleniya</i>)	Diploma research project , Volgograd State Medical University (Volgograd, Russia); Discipline code: 040800 "Medical Biochemistry" (<i>Специальность – 040800 “Медицинская биохимия”</i>)	Main	2005-2006 Completed in 2007
3.	A.S. Kulikova (<i>А.С. Куликова</i>)	Effect of magnesium chloride on endothelial dysfunction in rats fed with magnesium deficient diet (Russian: <i>Влияние магния хлорида на дисфункцию эндотелия, возникшую в результате дефицита магния – Vliyaniye magniya khlorida na disfunktsiyu endoteliya. vznikshuyu v rezultate defitsita magniya</i>)	Diploma research project , Volgograd State Medical University (Volgograd, Russia); Discipline code: 040800 "Medical Biochemistry" (<i>Специальность – 040800 “Медицинская биохимия”</i>)	Co-Supervisor, (Supervisor: Dr. Maria V. Kharitonova)	2009-2010 Completed in 2011
4.	N.A. Konovalova (<i>Н.А. Коновалова</i>)	An impaired cardiac functional reserve in rats fed with magnesium deficient diet and their correction with magnesium L-aspartate (Russian: <i>Функциональные резервы сердца в условиях дефицита магния и после его коррекции магнием L-аспарагинатом – Funktsionalnyye rezervy serdtsa v usloviyakh defitsita magniya i posle ego korrektsii magniyem L-asparaginatom</i>)	Diploma research project , Volgograd State Medical University (Volgograd, Russia); Discipline code: 040800 "Medical Biochemistry" (<i>Специальность – 040800 “Медицинская биохимия”</i>)	Co-Supervisor, (Supervisor: Dr. Maria V. Kharitonova)	2009-2010 Completed in 2011

MALAYSIA

BACHELOR OF MEDICINE, BACHELOR OF SURGERY (MBBS) WITH ADVANCE MEDICAL SCIENCES PROGRAMM

5.	Nur Adilah Binti Awaludin Student ID No : 2009466624	Studies to investigate anticataract effect of oral magnesium taurate in rats	MBBS with Advance Medical Sciences Programm , Universiti Teknologi MARA, Faculty of Medicine	Co-Supervisor (Supervisor: A/P Dr. Renu Agarwal)	2011-2012 Completed
6.	Nur Farhana Binti Ahmad Fisol Student ID No : 2009284036	Effect of magnesium taurate eye drops in rats with galactose-induced cataract	MBBS with Advance Medical Sciences Programm , Universiti Teknologi MARA, Faculty of Medicine	Main Supervisor	2011-2012 Completed
7.	Fatin Kamilah Bt.	Effect of liposomal	MBBS with	Co-Supervisor	2012-2014

Zakaria Student ID No : 2010894962	formulation of magnesium taurate on lenticular oxidative stress	Advance Medical Sciences Programm, Universiti Teknologi MARA, Faculty of Medicine	(Supervisor: A/P Dr. Renu Agarwal)	Completed
8. Sarah Diyana Bt Saad Student ID No : 2010666122	Altered magnesium homeostasis and calpain activity as pharmacological target in mechanism of anticataract effect of magnesium taurate	MBBS with Advance Medical Sciences Programm, Universiti Teknologi MARA, Faculty of Medicine	Main Supervisor	2012-2014 Completed
9. Izza Liyana Bt. Azizan Student ID No : 2010423682	Development and characterization of liposomal formulation of magnesium taurate and studies to evaluate its ocular distribution	MBBS with Advance Medical Sciences Programm, Universiti Teknologi MARA, Faculty of Medicine	Co-supervisor, (Supervisor: Prof. Renad Alyautdin),	2012-2014 Completed
10. Siti Nur Laili Mohamed Student ID No : 2009646162	Ocular hypotensive effects of angiotensin II type 1 receptor blockers in rat model of steroid induced ocular hypertension.	MBBS with Advance Medical Sciences Programm, Universiti Teknologi MARA, Faculty of Medicine	Co-Supervisor (Supervisor: A/P Dr. Renu Agarwal)	2012-2014 Completed
11. Tajul Atiqah Bt. Zaulkafali Student ID No : 2010228646	Effect of angiotensin enzyme inhibitors on trabecular meshwork remodelling in ocular hypertensive rats.	MBBS with Advance Medical Sciences Programm, Universiti Teknologi MARA, Faculty of Medicine	Co-supervisor, (Supervisor: A/P Dr. Anna Krasilnikova)	2012-2014 Completed

MALAYSIA**BACHELOR OF SCIENCE – *Ijazah Sarjana Muda Sains***

12. Mohd Yazrie Bin Yacob JP/7022/10 830418015975	Effects of magnesium taurate on delay and progression of amyloid beta 1-40 induced memory impairment in Sprague Dawley rats	Bachelor of Science (Biology) – <i>Ijazah Sarjana Muda Sains (Biologi)</i>; School of Distance Education, Universiti Sains Malaysia, Penang Campus: SS02	Co-supervisor, (Supervisor: Dr Siti Razila Abdul Razak, <i>Universiti Sains Malaysia, Penang Campus</i>)	2017-2018 Completed Grade (B+)
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POSTGRADUATE SUPERVISION

STUDENT (NAME AND MATRIC NO.)	TITLE	LEVEL OF STUDY, (COURSE CODE)	SUPERVISORY STATUS (MAIN/CO-SUPERVISOR)	PROJECT STATUS (*COMPLETED, *ON-GOING)
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MALAYSIA**DOCTOR OF PHILOSOPHY (PHD)**

1. Siti Norsyafika Kamarudin,	Targeted delivery of BDNF-loaded poly (lactide-co-	PhD student (Pharmacology)	Main supervisor (Co: Prof Nafeeza	Completed <i>Passed viva</i>
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<p>Student ID No : 2113598555</p> <p><i>Primary degree: MBBS Bachelor of Medicine, Bachelor of Surgery (International Medical University – IMU)</i></p>	<p>glycolide) nanoparticle to the brain: penetration through blood brain barrier and neuroprotective effect in stroke</p>	<p>Universiti Teknologi MARA, Faculty of Medicine</p> <p>Upgraded from Masters to PhD research: MD758 → MD958</p>	<p>Mohd Ismail; Prof Dr. Gabriele Anisah Ruth Froemming; Dr. Minaketan Tripathy)</p>	<p>on 04 July 2019 (minor corrections)</p>
<p>2. Natasha Najwa Binti Nor Arfuzir,</p> <p>Student ID No : 2014991763</p> <p><i>Primary degree: BSc. Biomedical Science (Honours) (Management & Science University – MSU)</i></p>	<p>Protective effect and molecular mechanism of action of magnesium acetyltaurate against endothelin-1-induced retinal and optic nerve damage in rats: focus on neuroinflammation.</p>	<p>PhD student (Pharmacology)</p> <p>Universiti Teknologi MARA, Faculty of Medicine</p> <p>Upgraded from Masters to PhD research: MD758 → MD958</p>	<p>Co-supervisor (Main supervisor: Prof Dr. Renu Agarwal; Co: Prof Dr Nafeeza Mohd Ismail)</p>	<p>Completed GOT 'Graduate on Time' Passed viva on 06 September 2019 (minor corrections)</p>
<p>3. Azliana Jusnida Ahmad Jafri,</p> <p>Student ID No : 2014384847</p> <p><i>Primary degree: BSc. Biomedical Science (Honours) (Management & Science University – MSU)</i></p>	<p>Neuroprotective effects and molecular mechanisms of action of magnesium acetyltaurate against NMDA-induced retinal injury in rats: focus on calcium regulated proteins</p>	<p>PhD student (Physiology)</p> <p>Universiti Teknologi MARA, Faculty of Medicine</p> <p>Upgraded from Masters to PhD research: MD754 → MD954</p>	<p>Co-supervisor (Main supervisor: Prof Dr. Renu Agarwal; Co: Prof Dr Nafeeza Mohd Ismail, Prof Dato' Dr Ahmad Pauzi Md Yusof)</p>	<p>Completed GOT 'Graduate on Time' Passed viva on 27 September 2019 (minor corrections)</p>
<p>4. Lidawani Binti Lambuk,</p> <p>Student ID No : 2014375257</p> <p><i>Primary degree: BSc. Biomedical Science (Honours) (Management & Science University – MSU)</i></p>	<p>Neuroprotective and antiapoptotic effects of magnesium acetyltaurate against NMDA-induced retinal and optic nerve damage in Sprague Dawley rats</p>	<p>PhD student (Pharmacology)</p> <p>Universiti Teknologi MARA, Faculty of Medicine</p> <p>Upgraded from Masters to PhD research: MD758 → MD958</p>	<p>Main supervisor (Co: Prof Dato' Dr Ahmad Pauzi Md Yusof; Prof Dr Nafeeza Mohd Ismail; A/P Dr Puneet Agarwal)</p>	<p>Completed GOT 'Graduate on Time' Passed viva on 19 January 2019 (minor corrections)</p>
<p>5. Mohd Aizuddin Bin Mohd Lazaldin,</p> <p>Student ID No : 2014582589</p> <p><i>Primary degree: BSc. (Honours) Biology (Universiti Teknologi MARA – UiTM)</i></p>	<p>Targeting the BDNF/TrkB pathway for the treatment of amyloid beta 1-40-induced neurodegeneration: focus on Alzheimer's disease and its ocular manifestations</p>	<p>PhD student (Pharmacology)</p> <p>Universiti Teknologi MARA, Faculty of Medicine</p> <p>Upgraded from Masters to PhD research: MD758 → MD958</p>	<p>Main supervisor (Co: A/P Dr. Anna Krasilnikova; Prof Dr Nafeeza Mohd Ismail; A/P Dr Puneet Agarwal)</p>	<p>Completed Passed viva on 18 May 2020 (minor corrections)</p>
<p>6. Noor Azliza Wani Binti Abd. Aziz,</p> <p>Student ID No : 2017633344</p> <p><i>Primary degree: BSc. (Honours) Biomedical Science (Universiti Kebangsaan Malaysia – UKM); MSc. (Biomedical Science) (International Islamic University Malaysia – IIUM); MMed.Sc (Anatomy) (Universiti</i></p>	<p>Mechanisms of resveratrol-induced neuroprotection in rats with intracerebral haemorrhage: insight on the role of adenosine A1 receptor</p>	<p>PhD student (Pharmacology)</p> <p>Universiti Teknologi MARA, Faculty of Medicine</p> <p>MD990</p>	<p>Main supervisor (Co: Assoc. Prof. Dr. Renu Agarwal, Prof. Dr. Azian Binti Abdul Latiff, Prof. Dr. Nafeeza Binti Mohd Ismail)</p>	<p>On-going</p>

*Kebangsaan Malaysia
– UKM)*

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|---|--|---|---|------------------------|
| <p>7. Muhammad Zulfiqah Bin Sadikan,
Student ID No :
2018648804

<i>Primary degree: BSc.
Medical Science
(Honours)
(Management &
Science University –
MSU)</i></p> | <p>Effect of tocotrienol-rich fraction (TRF) against retinal oxidative stress and angiogenesis in streptozotocin (STZ)-induced diabetic rats</p> | <p>PhD student
(Medicine)

Universiti Teknologi MARA,
Faculty of
Medicine

MD990</p> | <p>Co-supervisor
(Main supervisor:
Dr Nurul Alimah
Abdul Nasir; Co:
Prof Dr. Renu
Agarwal;)</p> | <p>On-going</p> |
| <p>8. Afiqq Aiman Abd Ghapor,
Student ID No :
2019979095

<i>Primary degree: BSc.
Medical Science
(Honours)
(Management &
Science University –
MSU)</i></p> | <p>Protective effect of trans-resveratrol and RU615 on excitotoxic retinal damage in rats: involvement of adenosine A1 receptors</p> | <p>Masters of
Science
(Medicine)

Universiti
Teknologi MARA,
Faculty of
Medicine

MD780 → MD990</p> | <p>Main supervisor

(Co: Prof Dr.
Renu Agarwal; Dr
Nurul Alimah
Abdul Nasir)</p> | <p><i>On-going</i></p> |

MALAYSIA

MASTER BY SCIENCE

- | | | | | |
|---|--|--|--|---|
| <p>1. Adrian Julian,
Student ID No :
2015494142

<i>Primary degree: BSc.
(Honours)
Biotechnology (UCSI
University)</i></p> | <p>The discovery of a novel series of benzimidazoles as a new prospective class of ocular hypotensive agents</p> | <p>Masters by
science
(Pharmacology)

Universiti
Teknologi MARA,
Faculty of
Medicine

MD758</p> | <p>Main supervisor

(Co: A/P Dr. Renu
Agarwal; Prof Dr
Nafeeza Mohd
Ismail)</p> | <p>Completed

<i>Passed viva
on 13
February
2019 (major
corrections)</i></p> |
| <p>2. Nurul Ainsya Binti Bakry
Student ID No :
2014923207

<i>Primary degree: BSc.
(Honours) Biology
(Universiti Teknologi
MARA – UiTM)</i></p> | <p>Time- and dose-dependent effect of renin angiotensin system inhibitors on extracellular matrix deposition and modulating enzymes in dexamethasone treated human trabecular meshwork cells</p> | <p>Masters by
science
(Pharmacology)

Universiti
Teknologi MARA,
Faculty of
Medicine

MD758</p> | <p>Co-supervisor

(Supervisor: A/P
Dr. Anna
Krasilnikova)</p> | <p>Completed

<i>Passed viva
on 20
February
2019 (minor
corrections)</i></p> |
| <p>3. Sayyidah Maryamul Azra Bt Zul Ramli
Student ID No:
2015789217

<i>Primary degree: BSc.
(Honours) Biomedical
Science (International
Islamic University
Malaysia – IIUM)</i></p> | <p>Neuroprotective effect of nanoparticle-bounded brain derived neurotrophic factor (BDNF) on experimental haemorrhagic stroke rats</p> | <p>Masters of
Medical Science
(Anatomy)

Universiti
Teknologi MARA,
Faculty of
Medicine

MD757</p> | <p>Co-supervisor

(Supervisor: Dr.
Syed Baharom
Syed Ahmad
Fuad)</p> | <p>Completed

<i>Passed viva
on 06 May
2020 (minor
corrections)</i></p> |
| <p>4. Muhammad Fattah Bin Fazel
IC Number:
930925055259

Student ID No :
55360318002

<i>Primary degree: BSc.
Biomedical Science
(Honours) (Universiti
Kuala Lumpur – UniKL)</i></p> | <p>Philanthotoxin (PhTX) as protective agent against NMDA-induced retinal injury in rats: focus on apoptosis</p> | <p>Master of
Engineering
Technology
(Chemical
Engineering)

Universiti Kuala
Lumpur (UniKL)</p> | <p>Co-supervisor

(Supervisor: Dr.
Izuddin Fahmy
Abu, UniKL)</p> | <p><i>10.07.2018 –
09.07.2021</i>

<i>On-going</i></p> |

<p>5. Mohamad Haiqal Nizar Bin Mohamad IC Number: 891209105869</p> <p>Student ID No : 55360318003</p> <p><i>Primary degree: BSc. Biomedical Science (Honours) (Universiti Kuala Lumpur – UniKL)</i></p>	<p>Philanthotoxin compound as a neuroprotective agent against NMDA-induced retinal injury in rats: focus on oxidative stress</p>	<p>Master of Engineering Technology (Chemical Engineering)</p> <p>Universiti Kuala Lumpur (UniKL)</p>	<p>Co-supervisor (Supervisor: Dr. Izuddin Fahmy Abu, UniKL)</p>	<p>10.07.2018 – 09.07.2021</p> <p><i>On-going</i></p>
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LIST OF INDEXED PUBLICATION (MEDLINE, SCOPUS, ISI WEB OF KNOWLEDGE)

1. Surnina O.E., Lupandin V.I., **lezhitsa I.N.**, Pustueva N.V., Zotadze M.Z. The subjective evaluation of time intervals by 3- to 6-year-old children. *Zhurnal vyssheĭ nervnoĭ deiatel'nosti imeni I P Pavlova*, 1994 Nov-Dec; 44(6): 1148-1154.
2. Surnina O.E., Lupandin V.I., Pustueva N.V., **lezhitsa I.N.** Study of time perception by children under school age by cross-modal matching method. *Voprosy psikhologii*, 1995 May-Jun; (3): 133-138.
3. Surnina O.E., Lupandin V.I., Kiseleva N.V., **lezhitsa I.N.** Sex and age differences in the subjective assessment of time by preschoolers. *Zhurnal vyssheĭ nervnoĭ deiatel'nosti imeni I P Pavlova*, 1996 Mar-Apr; 46(2): 260-266.
4. Morozov I.S., Pukhova G.S., Abdulov N.A., Sergeeva S.A., Spasov A.A., **lezhitsa I.N.** The mechanisms of the neurotropic action of bromantan. *Ekspĕrimental'naia i klinicheskaia farmakologĭia*, 1999 Jan-Feb; 62(1): 11-14.
5. Spasov A.A., **Yozhitsa I.N.** (i.e. **lezhitsa I.N.**), Bugaeva L.I. Anisimova V.A. Benzimidazole derivatives: spectrum of pharmacological activity and toxicological properties (a review). *Pharmaceutical chemistry journal*, 1999; 33(5): 232-243. Translated from *Khimiko-farmatsevticheskiĭ zhurnal*, 1999 May; 33(5): 6-17.
6. **lezhitsa I.N.**, Spasov A.A., Bugaeva L.I., Morozov I.S. The effect of the actoprotector preparation bromantane on the postnatal development of rat pups. *Ekspĕrimental'naia i klinicheskaia farmakologĭia*, 1999 Nov-Dec; 62(6): 39-44.
7. Bugaeva L.I., Verovskii V.E., **lezhitsa I.N.**, Spasov A.A. An acute toxicity study of bromantane. *Ekspĕrimental'naia i klinicheskaia farmakologĭia*, 2000 Jan-Feb; 63(1): 57-61.
8. **lezhitsa I.N.**, Bugaeva L.I., Spasov A.A., Morozov I.S. Effect of bromantane on the rat neurologic status in two month course. *Ekspĕrimental'naia i klinicheskaia farmakologĭia*, 2000 Sep-Oct; 63(5): 13-17.
9. Bugaeva L.I., Spasov A.A., Verovskii V.E., **lezhitsa I.N.** Acute toxicity of bemithyl and bromithyl. *Ekspĕrimental'naia i klinicheskaia farmakologĭia*, 2000 Nov-Dec; 63(6): 53-57.
10. **lezhitsa I.N.**, Spasov A.A., Bugaeva L.I. Effects of bromantan on offspring maturation and development of reflexes. *Neurotoxicology and teratology*, 2001 Mar-Apr; 23(2): 213-222.
11. Bugaeva L.I., Verovskii V.E., **lezhitsa I.N.**, Kuzubova E.A., Spasov A.A. Complex evaluation of the effect of bromantane on animal behavior. *Ekspĕrimental'naia i klinicheskaia farmakologĭia*, 2001 Sep-Oct; 64(5): 7-10.
12. **lezhitsa I.N.**, Spasov A.A., Bugaeva L.I., Morozov I.S. Toxic effect of single treatment with bromantane on neurological status of experimental animals. *Bulletin of experimental biology and medicine*, 2002 Apr; 133(4): 380-383. Translated from *Biulleten' eksperimental'noĭ biologĭi i meditsiny*. 2002 Apr; 133(4), 438-441.
13. Spasov A.A., Smirnova L.A., **lezhitsa I.N.**, Sergeeva S.A., Ozerov A.A. Pharmacokinetics of benzimidazole derivatives *Voprosy meditsinskoĭ khimii*, 2002 May-Jun; 48(3): 233-258.
14. **lezhitsa I.N.**, Onishchenko N.V., Churbakova N.V., Parshev V.V., Petrov V.I., Spasov A.A. Effect of magnesium supplementation containing mineral bishofit (MgCl₂·6H₂O) solution and pyridoxine hydrochloride on erythrocyte magnesium depletion and behaviour of rats after three-month alcoholisation. *Magnesium research*, 2002 Dec; 15(3-4): 179-189.
15. Bugaeva L.I., Spasov A.A., Verovskii V.E., **lezhitsa I.N.** Preclinical safety prognosis for the nootropic drugs piracetam and picamilon based upon acute toxicity data. *Ekspĕrimental'naia i klinicheskaia farmakologĭia*, 2003 Jul-Aug; 66(4): 43-46.
16. Spasov A.A., Petrov V.I., **lezhitsa I.N.**, Onishchenko N.V., Churbakova N.V., Parshev V.V. Pharmacological activity of a complex magnesium-containing preparation based on mineral bishofit and pyridoxine hydrochloride

- studied on the model of chronic alcohol intoxication in rats. *Ekspierimental'naia i klinicheskaia farmakologija*, 2003 Sep-Oct; 66(5): 40-44.
17. **lezhitsa I.N.**, Spasov A.A., Zhuravleva N.V. Sinolitskii M.K., Voronin S.P. Comparative study of the efficacy of potassium magnesium L-, D- and DL-aspartate stereoisomers in overcoming digoxin- and furosemide-induced potassium and magnesium depletions. *Magnesium research*, 2004 Dec; 17(4): 276-292.
 18. **lezhitsa I.N.** Potassium and magnesium depletions in congestive heart failure – pathophysiology, consequences and replenishment. *Clinical calcium*, 2005 Nov; 15(11): 123-33.
 19. Spasov A.A., **lezhitsa I.N.** Stereopharmacology of carnitine. *Rossiiskii fiziologicheskii zhurnal imeni I.M. Sechenova*, 2005 Dec; 91(12): 1469-80.
 20. Spasov A.A., **lezhitsa I.N.**, Tiurenkov I.N., Perfilova V.N., Gurova N.A., Kravchenko M.S. Comparative evaluation of the effects of carnitine stereoisomers and racemate on the cardio- and hemodynamics of rats on a carnitine-deficient diet. *Vestnik Rossiiskoi akademii meditsinskikh nauk* 2006; (7): 20-27.
 21. Spasov A.A., **lezhitsa I.N.**, Zhuravleva N.V., Sinolitskii M.K., Voronin S.P. Comparative study of the antiarrhythmic activity of magnesium aspartate L-, D- and DL-aspartate stereoisomers. *Kardiologija* 2006; 46(7): 62-65.
 22. Spasov A.A., **lezhitsa I.N.**, Pisarev V.B., Snigur G.L., Kravchenko M.S. Changes of myocardium, skeletal muscle and liver of rats fed carnitine-deficient diet and treated with carnitine optical isomers. *Morfologija* 2006; 129(3): 48-52.
 23. Spasov A.A., **lezhitsa I.N.**, Kravchenko M.S., Pisarev V.B., Snigur G.L. Effects of L-, D-, and DL-carnitine on morphometric parameters of skeletal muscle and exercise performance of laboratory animals receiving carnitine-deficient diet. *Bulletin of experimental biology and medicine* 2006 Oct;142(4): 458-460. Translated from *Biulleten' eksperimental'noi biologii i meditsiny* 2006 Oct;142(10): 441-443.
 24. Spasov A.A., **lezhitsa I.N.**, Zhuravleva N.V., Gurova N.A., Sinolitskii M.K., Voronin S.P. Comparative study of the antiarrhythmic activity of L-, D- and DL-stereoisomers of potassium magnesium aspartate. *Ekspierimental'naia i klinicheskaia farmakologija* 2007 Jan-Feb;70(1):17-21.
 25. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S. Effect of magnesium chloride and magnesium L-aspartate on seizure threshold in rats under conditions of dietary magnesium deficiency. *Bulletin of experimental biology and medicine* 2007 Aug;144(2):214-216. Translated from *Biulleten' eksperimental'noi biologii i meditsiny* 2007 Aug;144(8):181-183.
 26. Spasov A.A., **lezhitsa I.N.**, Kravchenko M.S., Kharitonova M.V. Study of anti-inflammatory activity of some organic and inorganic magnesium salts in rats fed with magnesium-deficient diet. *Voprosy pitaniia* 2007;76(5):67-73.
 27. Spasov A.A., **lezhitsa I.N.**, Kravchenko M.S., Kharitonova M.V., Stukovina A.Yu., Naumenko L.V. Effect of oral organic and inorganic magnesium salts on hemobiological state of rats fed with magnesium-deficient diet. *Gematologija i transfuziologija* 2007;52(5):38-44.
 28. Zinov'eva V.N., **lezhitsa I.N.**, Spasov A.A. Magnesium homeostasis: mechanisms and inherited disorders. *Biomeditsinskaia khimiia* 2007 Nov-Dec;53(6):683-704.
 29. **lezhitsa I.N.**, Spasov A.A. Potassium magnesium homeostasis: physiology, pathophysiology, clinical consequences of deficiency and pharmacological correction. *Uspekhi fiziologicheskikh nauk* 2008 Jan-Mar;39(1):23-41.
 30. Zinov'eva V.N., **lezhitsa I.N.**, Spasov A.A. Magnesium homeostasis: mechanisms and Inherited disorders. *Biochemistry (Moscow) Supplement series B: Biomedical chemistry* 2008;2(2):133-147. Translated from *Biomeditsinskaia khimiia* 2007 Nov-Dec;53(6):683-704.
 31. Spasov A.A., **lezhitsa I.N.**, Kravchenko M.S., Kharitonova M.V. The characterization of central neuromediation in rats fed with magnesium-deprived diet before and after magnesium replenishment. *Rossiiskii fiziologicheskii zhurnal imeni I.M. Sechenova* 2008 Jul;94(7):822-833.
 32. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Gurova N.A. Arrhythmogenic threshold of the myocardium under conditions of magnesium deficiency. *Bulletin of experimental biology and medicine* 2008 Jul;146(1):63-65. Translated from *Biulleten' eksperimental'noi biologii i meditsiny* 2008 Jul;146(7):69-71.
 33. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S. Depression-like and anxiety-related behaviour of rats fed with magnesium-deficient diet. *Zhurnal vyssheĭ nervnoi deiatelnosti imeni I P Pavlova* 2008 Jul-Aug;58(4):476-85.
 34. Spasov A.A., **lezhitsa I.N.** (i.e. **lezhitsa I.N.**), Kharitonova M.V., Kravchenko M.S. Effect of some organic and

- inorganic magnesium salts on lipoprotein state in rats fed with magnesium-deficient diet. *Ekspierimental'naia i klinicheskaia farmakologija* 2008 Jul-Aug;71(4):35-40.
35. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S., Snigur G.L., Pisarev V.B. Experimental evidence of magnesium salts for treatment of calcium phosphate nephrolithiasis. *Nefrologija* 2008;12(3):72-78.
 36. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S., Snigur G.L. The role of alimentary magnesium deficiency in development of nephrolithiasis and its correction with magnesium salts in rats. *Voprosy pitaniia* 2008;77(6):62-71.
 37. Spasov A.A., **lezhitsa I.N.**, Kravchenko M.S., Kharitonova M.V. Features of central neurotransmission in animals in conditions of dietary magnesium deficiency and after its correction. *Neuroscience and behavioral physiology* 2009 Sep;39(7):645-653. Epub 2009 Jul 21. [A translation of *Rossiiskii fiziologicheskii zhurnal imeni I.M. Sechenova* 2008 Jul;94(7):822-833]
 38. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S. Effects of magnesium salts and their combinations with vitamin B₆ on oxalates crystalluria in rats fed with pyridoxine-deficient diet. *Urologija* 2009 May-Jun;(3):22-25.
 39. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S. Pharmacological correction of pain sensitivity threshold in magnesium deficiency. *Patologicheskaja fiziologija i eksperimental'naia terapiia* 2010 Jan-Mar;(1):6-10.
 40. Spasov A.A., Petrov V.I., **lezhitsa I.N.**, Kravchenko M.S., Kharitonova M.V., Ozerov A.A. Comparative study of magnesium salts bioavailability in rats fed a magnesium-deficient diet. *Vestnik Rossiiskoi akademii meditsinskikh nauk* 2010;(2):29-37.
 41. **lezhitsa I.N.**, Spasov A.A., Kharitonova M.V., Kravchenko M.S. Effect of magnesium chloride on psychomotor activity, emotional status, and acute behavioural responses to clonidine, d-amphetamine, arecoline, nicotine, apomorphine, and L-5-hydroxytryptophan. *Nutritional Neuroscience* 2011 Jan;14(1):10-24.
 42. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S. Effects of magnesium salts on the course of experimental calcium-oxalate urolithiasis. *Urologija* 2011 Mar-Apr;(2):23-29.
 43. Spasov A.A., Ozerov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S., Zheltova A.A. Correction of furosemide-induced magnesium deficiency with different stereoisomers of organic magnesium salts: a comparative study. *Bulletin of experimental biology and medicine* 2011 Jul;151(3):333-335. [A translation of *Biulleten' eksperimental'noi biologii i meditsiny* 2011 Jul;151(3):308-310]
 44. Agarwal R., **lezhitsa I.**, Agarwal P., Spasov A. Magnesium deficiency: Does it have a role to play in cataractogenesis? *Experimental Eye Research* 2012 Aug;101:82-89. doi: 10.1016/j.exer.2012.05.008. Epub 2012 Jun 2.
 45. Spasov A.A., Kharitonova M.V., **lezhitsa I.N.**, Zheltova A.A., Tyurenkov I.N., Gurova N.A. Functional reserves of the heart under conditions of alimentary magnesium deficit. *Kardiologija*. 2012;52(10):39-44.
 46. Kharitonova M.V., Zheltova A.A., Spasov A.A., Smirnov A.V., Pan'shin N.G., **lezhitsa I.N.** [Correction of isoproterenol-induced myocardial injury with magnesium salts in magnesium-deficient rats]. *Voprosy pitaniia* 2013;82(5):29-35.
 47. Agarwal R., **lezhitsa I.**, Awaludin N.A., Ahmad Fisol N.F., Bakar N.S., Agarwal P., Abdul Rahman T.H., Spasov A., Ozerov A., Mohamed Ahmed Salama M.S., Mohd Ismail N. Effects of magnesium taurate on the onset and progression of galactose-induced experimental cataract: in vivo and in vitro evaluation. *Experimental Eye Research*. 2013 May;110:35-43. doi: 10.1016/j.exer.2013.02.011. Epub 2013 Feb 18.
 48. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S., Snigur G.L., Pisarev V.B. [The effectiveness of certain magnesium salts in nephrolithiasis caused by the use of sodium oxalate and celecoxib]. *Urologija*. 2013 Jan-Feb;(1):29-34.
 49. Agarwal R., **lezhitsa I.N.**, Agarwal P., Spasov A.A. Mechanisms of cataractogenesis in the presence of magnesium deficiency. *Magnesium research*. 2013 Jan-Feb;26(1):2-8. doi: 10.1684/mrh.2013.0336.
 50. Spasov A.A., **lezhitsa I.N.**, Kharitonova M.V., Kravchenko M.S., Snigur G.L., Pisarev V.B. [Experimental evidence of magnesium salts for treatment of calcium oxalate nephrolithiasis in an animal model based on sodium oxalate and a cyclooxygenase 2 selective inhibitor]. *Patologicheskaja fiziologija i eksperimental'naia terapiia*. 2013 Apr-Jun;(2):50-55.
 51. Agarwal R., **lezhitsa L.**, Agarwal P. Pathogenetic role of magnesium deficiency in ophthalmic diseases. *Biometals*. 2013 Nov 15. [Epub ahead of print]
 52. Agarwal R., **lezhitsa I.**, Agarwal P., Abdul Nasir N.A., Razali N., Alyautdin R., Ismail N.M. Liposomes in topical ophthalmic drug delivery: an update. *Drug Delivery*. 2015 Jul 21:1-17. [Epub ahead of print]

53. Kharitonova M., **Iezhitsa I.**, Zheltova A., Ozerov A., Spasov A., Skalny A. Comparative angioprotective effects of magnesium compounds. *Journal of Trace Elements in Medicine and Biology*. 2015 Jan;29:227-34. doi: 10.1016/j.jtemb.2014.06.026. Epub 2014 Jul 8.
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DISSERTATIONS

1. **Iezhitsa I.N.** *Study to investigate the neurotoxicological effects and mechanism of action of actoprotector drugs at acute and long-term administration* (Russian: *Психо- и нейротоксикологическое изучение актопротекторных препаратов при однократном и хроническом введении – Psikho- i neyrotoksikologicheskoye izucheniye aktoprotektornykh preparatov pri odnokratnom i khronicheskom vvedenii*). Dissertation for **PhD degree** (candidate of biological sciences – name of the academic degree as used in Russia), 14.00.25: Pharmacology, Clinical Pharmacology; Russia, Volgograd: Volgograd Medical Academy, February 1998, 281 pp. [Russian]
2. **Iezhitsa I.N.** *Basic aspects for the development of magnesium-containing therapeutic agents based on natural mineral bischofite.* (Russian: *Фундаментальные аспекты создания на основе минерала бишофит магнийсодержащих лекарственных средств – Fundamental'nyye aspekty sozdaniya na osnove minerala bishofit magniysoderzhashchikh lekarstvennykh sredstv*) Dissertation for **Dr. Sci. Biol. degree** (doctor of biological sciences – name of the academic degree as used in Russia), 14.00.25: Pharmacology, Clinical Pharmacology; Russia, Volgograd: Volgograd State Medical University, February 2008, 315 pp. [Russian]; ИКД⁵:05200800288

NATIONAL PATENTS

INVENTORS	TITLE OF WORK	APPLICANT'S NAME	APPLICATION DATE	DATE OF PUBLICATION	PATENT PUBLICATION NUMBER	REG. NUMBER
Sergeyĭ Petrovich Voronin (RU), Igor Nikolayevich Iēzhitsa (RU), Vladimir Ivanovich Petrov (RU), Spasov Alexander Alexeevich (RU), Maxim Konstantinovich Sinolitskiĭ (RU), Stella Vladimirovna Sinolitskaya (RU)	Oral medical preparation for repletion of magnesium deficiency [Russian: <i>Пероральное лекарственное средство для восполнения дефицита магния в организме – Peroral'noye lekarstvennoye sredstvo dlya vospolneniya defitsita magniya v organizme</i>]	Joint Stock Company "Bioamid" (RU) [Russian: <i>Закрытое акционерное общество "Биоамид" – Zakrytoe aktsionerное obshchestvo "Bioamid"</i>], Russian Federation	22/06/2006	10/01/2008	2336076 (2008.10.20)	RU 2006122160/15

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APPLICANT'S NAME	TITLE OF WORK	OWNER OF LICENSE	APPLICATION DATE	DATE OF FIRST PUBLICATION	NO APPLICATION	No. NOTIFICATION
1. Igor Nikolayevich Iezhitsa , Siti Norsyafika Kamarudin, Minaketan Tripathy, Gabrielle Ruth Anisah Fromming, Nafeeza Mohd Ismail, Renad N Alyautdin	BDNF as neuroprotection in ischemic stroke	Universiti Teknologi MARA, Malaysia	06/03/2019	08/10/2017	LY2019000777	CRLY00013772
2. Igor Nikolayevich Iezhitsa , Renu	BDNF as a neuroprotective	Universiti Teknologi	09/01/2019	01/12/2014	LY2019000139	CRLY00014360

⁵ ИНФОРМАЦИОННАЯ КАРТА ДИССЕРТАЦИИ (ИКД) – *Informatsionnaya Karta Dissertatsii*, Dissertation Information Card Number (Russian Federation) used to identify thesis in Russian Database

Argawal, Mohd Aizuddin Mohd Lazaldin	agent against Alzheimer disease	MARA, Malaysia				
3. Igor Nikolayevich Iezhitsa , Renu Argawal, Lidawani Lambuk	Magnesium acetyltaura as a neuroprotective agent in glaucoma	Universiti Teknologi MARA, Malaysia	09/01/2019	15/09/2013	LY2019000140	CRLY00014361
4. Igor Nikolayevich Iezhitsa , Renu Argawal, Adrian Julian Marcus	Imidazo[1,2-a]benzimidazole and pyrimido[1,2-a]benzimidazole compounds as potential antiglaucoma agent	Universiti Teknologi MARA, Malaysia	09/01/2019	01/12/2014	LY2019000141	CRLY00014362
5. Renu Argawal, Igor Nikolayevich Iezhitsa , Natasha Najwa Nor Arfuzir	Taurine: a neuroprotective agent in glaucoma	Universiti Teknologi MARA, Malaysia	09/01/2019	01/03/2017	LY2019000150	CRLY00014372
6. Renu Argawal, Normie Aida Mohd Nasir, Siti Hamimah Sheikh Abdul Kadir, Anna Krasilnikova, Igor Nikolayevich Iezhitsa	Trans-resveratrol safety concentration for trabecular meshwork of eye	Universiti Teknologi MARA, Malaysia	09/01/2019	01/12/2014	LY2019000151	CRLY00014373
7. Igor Nikolayevich Iezhitsa , Renu Agarwal, Noor Azliza Wani Binti Abo. Aziz	Resveratrol protects against neurobehavioural deficits in hemorrhagic stroke	Universiti Teknologi MARA, Malaysia	05/09/2019	27/04/2018	LY2019005241	CRLY00018938

PHD AND MASTER THESIS EXAMINER / THE THESIS OPPONENT⁶

STUDENT (NAME AND MATRIC NO.)	TITLE	LEVEL OF STUDY, COURSE CODE	ROLE	DATE OF EXAMINATION (VIVA) / THESIS DEFENCE
1. Elena Evgenievna Zatsepina (Russian: <i>Елена Евгеньевна Зацепина</i>)	Study to investigate gastroprotective activity of fixed-dose combination oral dosage form based on sea buckthorn oil (Russian: <i>Экспериментальное изучение гастропротекторной активности комбинированной лекарственной формы на основе масла облепихового – Экспериментальное изучение гастропротекторной активности комбинированной лекарственной формы на основе масла облепихового</i>)	Ph.D. degree in Pharmacology (<i>candidate of biological sciences – name of the academic degree as used in Russia</i>); 14.00.25: Pharmacology, Clinical Pharmacology Pyatigorsk State Pharmaceutical Academy (Russian Federation)	The PhD thesis (<i>external</i>) opponent (Volgograd State Medical University)	27 June 2008

⁶ THE THESIS / DISSERTATION OPPONENT – The person debating with the doctoral candidate at the public thesis examination (The Commonwealth of Independent States (CIS), Northern European Countries (Norway, Sweden, Finland), Russian Federation)

ИКД: 04200814244

- | | | | | | |
|----|---|---|---|---|-------------------|
| 2. | Elena Valerevna Sorokina (Russian: Елена Валерьевна Сорокина) | Anti-diabetic activity of dried extract of <i>Gymnema sylvestre</i> (Russian: Противодиабетическая активность сухого экстракта Гимнемы лесной – Protivodiabeticheskaya aktivnost' sukhogo ekstrakta Gimnemy lesnoy) | Ph.D. degree in Pharmacology (candidate of biological sciences – name of the academic degree as used in Russia); 14.00.25: Pharmacology, Clinical Pharmacology
Volgograd State Medical University (Russian Federation) | The PhD thesis (internal) opponent (Volgograd State Medical University) | 22 October 2008 |
| | | ИКД: 04200816162 | | | |
| 3. | Noor Farah Binti Omar,
Student ID No :
2014478508 | Antiviral activity of N-substituted 5-(phenylamino)uracil derivatives against Chikungunya virus | Masters by science (Pharmacology)
Universiti Teknologi MARA, Faculty of Medicine
MD751 | The Master thesis (internal) examiner (Universiti Teknologi MARA) | 28 September 2017 |
| 4. | Norasikin Ab Azis,
Student ID No :
2015918709 | Mechanism of anti-hypertensive effect of standardized aqueous-ethanolic extract of <i>Ficus Deltoidea Kunstleri</i> in spontaneously hypertensive rats | PhD student (Pharmacology)
Universiti Teknologi MARA, Faculty of Medicine
MD958 | The PhD thesis (internal) examiner (Universiti Teknologi MARA) | 03 October 2019 |

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1. Applied Physiology, Nutrition, and Metabolism (IF=2.009)	Not applicable	reviewer	1	2011
2. Drug Delivery (IF=6.402)	Not applicable	reviewer	1	2014
3. Current Eye Research (IF=1.639)	Anti-Cataract Potential of <i>Heliotropium indicum</i> Linn on Galactose-Induced Cataract in Sprague-Dawley Rats	reviewer	1	2015
4. Journal of Clinical and Health Sciences	Not applicable	reviewer	1	2016
5. AIMS Public Health	Magnesium: Nutrition and Homoeostasis	reviewer	1	2015
6. Biomedicine & Pharmacotherapy (IF=2.759)	Magnesium taurate prevents cataractogenesis via restoration of lenticular oxidative damage and ATPase function in cadmium chloride-induced hypertensive experimental animals	reviewer	1	2016

7.	Acta Biochimica et Biophysica Sinica (IF=2.181)	Not applicable	reviewer	1	2017
8.	Chemical Biology & Drug Design (IF=2.396)	Not applicable	reviewer	3	2017
9.	Cellular and Molecular Neurobiology (IF=2.939)	Not applicable	reviewer	1	2017
10.	Journal of Inflammation Research (IF=2.143)	Magnesium deficiency and increased inflammation: current perspectives	reviewer	1	2017
11.	Journal of Trace Elements in Medicine and Biology (IF= 3.225)	Not applicable	reviewer	1	2018
12.	Current Eye Research (IF=1.672)	Not applicable	reviewer	1	2019
13.	Journal of Biochemical and Molecular Toxicology (IF=2.965)	Not applicable	reviewer	1	2019
14.	Research Results in Pharmacology	Not applicable	reviewer	2	2019
15.	Drug Development and Industrial Pharmacy (IF= 2.367)	Not applicable	reviewer	3	2019
16.	BMC Anesthesiology (IF= 1.619)	The effect of magnesium on the reversal of rocuronium-induced neuromuscular block with sugammadex: an <i>ex vivo</i> laboratory study	reviewer	1	2019
17.	Journal of Clinical and Health Sciences	Not applicable	reviewer	1	2020

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2017 – till now	Journal of Clinical & Health Sciences (JCHS)	eISSN 0127-984X	http://jchs-medicine.uitm.edu.my/
2017 – till now	Journal of Volgograd State Medical University (Journal of VolgSMU) (Russian: <i>Вестник Волгоградского государственного медицинского университета (Вестник ВолгГМУ) – Véstnik Volgográdskogo gosudárstvennogo meditsínskogo universitéta (Véstnik VolgGMU)</i>)	ISSN 1994-9480	http://vestnik.volgmed.ru/en/ http://vestnik.volgmed.ru/ru/
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FULL LIST OF PUBLICATION

1. Surnina O.E., Lupandin V.I., **Yejiza I.N.** (i.e. **lezhitsa I.N.**), Pustueva N.V., Zotadze M.Z. The subjective evaluation of time intervals by 3- to 6-year-old children. *Zhurnal vyssheĭ nervnoĭ deiatelnosti imeni I P Pavlova* 1994, Vol. 44, № 6, p.1148-1154. [Russian] [Abstract - English] MEDLINE SCOPUS ISI WEB OF KNOWLEDGE IF= 0.327
2. **lezhitsa I.N.**, Skripnick S.R., Bugaeva L.I. Behaviour activity of animals receiving new psychoactive drug of unexhausting type action. *New materials and methods in medicine. The collection of scientific papers*. Volgograd. 1995, Vol.51, № 2, p.10-12. [Russian] [Abstract - NO]

3. Spasov A.A., Bugaeva L.I., Mazanova L.S., Khamidiva T.V., **lezhitsa I.N.**, Skripnick S.R., Morozov I.S., Seredintseva N.V. The methodical approaches of toxicological estimation of actoprotector drugs. *"Fundamental researches as a basis of medicinal drugs creation"; the collection of the abstract of the 1-st congress of Russian scientific society of the pharmacologists*. October 9-13, 1995, Volgograd. Moscow, 1995, p.420. [Russian]
4. Bugaeva L.I., Dudchenco G.P., Mazanova L.S., Gavrilova E.S., Khamidiva T.V., Skripnick S.R., **lezhitsa I.N.**, Morozov I.S. Toxicological estimation of new psychotropic substances of actoprotector class. *IInd Russian national congresses "The Man and Medicine"*. April 10-15, 1995, Moscow: "Farmedinfo" publisher, 1995, p. 48. [Russian]
5. Surnina O.E., Lupandin V.I., Pustueva N.V., **lezhitsa I.N.** Study of time perception in children under school age by cross-modal matching method. *Voprosy psikhologii*. 1995, № 3, p.133-138. [Russian] [Abstract – NO]
6. **lezhitsa I.N.**, Skripnick S.R. Mechanisms of development of psychotropic drug acute poisoning on an example of new actoprotector and nootropic. *The abstracts of the reports of 1st All-Russia conference of toxicologists "Urgent problems of theoretical and applied toxicology"*. St.-Petersburg, 1995, p.53. [Russian]
7. Bugaeva L.I., Khamidiva T.V., **lezhitsa I.N.**, Skripnick S.R., Kozhevnikova E.V., Kuzubova E.A. *Influence of piracetame and phenotropile on rat reproductive function. IIIrd Russian national congress "The Man and Medicine"*. April 16-20, 1996, Moscow: "Farmedinfo" publisher, 1995, p. 255. [Russian]
8. Spasov A.A., Bugaeva L.I., **lezhitsa I.N.**, Khamidiva T.V. Study of bemetil remote action on rat coupling and development of their posterity. *IIIrd Russian national congress "The Man and Medicine"*. April 16-20, 1996, Moscow: "Farmedinfo" publisher, 1995, p. 228. [Russian]
9. Surnina O.E., Lupandin V.I., Kiseleva N.V., **Yojiza I.N.** (i.e. **lezhitsa I.N.**) Sex and age differences in the subjective assessment of time by preschoolers. *Zhurnal vyssheĭ nervnoĭ deiatelnosti imeni I P Pavlova*. 1996, Vol. 46, № 2, p.260-266. [Russian] [Abstract – English] MEDLINE SCOPUS ISI WEB OF KNOWLEDGE IF= 0.327
10. Bugaeva L.I., Khamidova T.V., **Yozhitsa I.N.** (i.e. **lezhitsa I.N.**), Spasov A.A., Sergeev V.V. Reproductive effects of the nootropic agents piracetam and phenotropil in rats. *8th World Congress of IOP*. June 25-30, 1996, Tampere, Finland, 1997, p.178, Post 228. [English]
11. Bugaeva L.I., Spasov A.A., **Yozhitsa I.N.** (i.e. **lezhitsa I.N.**), Khamidiva T.V., Skripnick S.R., Kozhevnikova E.V., Kuzubova E.A. Peculiarities of bemetil toxicological action. *"Bulletin of the Volgograd medical academy № 2" (The collection of the proceedings)*, Eds.: prof. V.I.Petrov. 1996, Vol.52, № 2, p.23-28. [Russian] [Abstract – English]
12. Spasov A.A., Bugaeva L.I., **Yozhitsa I.N.** (i.e. **lezhitsa I.N.**), Khamidova T.V. Investigation of the distant chronic effects of bemetil on the offspring postnatal development. *Abstracts of XIVth International symposium on medicinal chemistry*, 1996, 8-12 September, Maastricht, the Netherlands, Post 6.64. [English]
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301. Abd. Aziz N.A.W., **lezhitsa I.**, Agarwal R., Bakar N.S., Abd. Latiff A., Mohd. Ismail N. Neuroprotection by resveratrol against collagenase-induced intracerebral injury and neurobehavioural deficits in rats involve adenosine A1 receptor. Abstract book of 29th Annual Scientific Meeting of Malaysian Society of Neurosciences (MSN) "Celebrating 30th Anniversary of the Malaysian Society of Neurosciences". July 4-7, 2019. Grand River View Hotel, Kota Bharu, Kelantan [Oral presentation]. Malaysian Society of Neurosciences, 2019. [English]
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303. Fazel M.F., Abu I.F., Agarwal R., **lezhitsa I.N.**, Mellor I.R., Franzyk H., Mohamad M.H.N. Philanthotoxin-343 (PhTX) as a neuroprotective agent to alleviate visual impairments in NMDA-induced retinal injury in rats. Abstract book of 29th Annual Scientific Meeting of Malaysian Society of Neurosciences (MSN) "Celebrating 30th Anniversary of the Malaysian Society of Neurosciences". July 4-7, 2019. Grand River View Hotel, Kota Bharu, Kelantan [Poster presentation]. Malaysian Society of Neurosciences, 2019. [English]
304. Noor Azliza Wani Abd. Aziz, **Igor lezhitsa**, Renu Agarwal, Nor Salmah Bakar, Azian Abd. Latiff, Nafeeza Mohd. Ismail. Neuroprotection by resveratrol against collagenase-induced intracerebral injury in rats involves adenosine A1 receptor. Abstracts of 33rd Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP) "Towards innovative and sustainable research in drug discovery". July 15-16, 2019, The Everly Hotel, Putrajaya [Oral presentation – ORA001]. Malaysian Society of Pharmacology and Physiology, 2019. [English]
305. Siti Norsyafika Kamarudin, **Igor lezhitsa**, Minaketan Tripathi, Renad Alyautdin, Nafeeza Mohd Ismail. Neuroprotective effect of poly (lactic-co-glycolide) nanoparticle-bound brain-derived neurotrophic factor in a middle cerebral artery occlusion model of ischemia in rats. Abstracts of 33rd Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP) "Towards innovative and sustainable research in drug discovery". July 15-16, 2019, The Everly Hotel, Putrajaya [Oral presentation – ORA009]. Malaysian Society of Pharmacology and Physiology, 2019. [English]
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308. Normie Aida Mohd Nasir, Renu Agarwal, Anna Krasilnikova, Siti Hamimah Sheikh Abdul Kadir, **Igor Iezhitsa**, Norhafiza Razali, Mohd Farhan Bin Hamdan, Nafeeza Mohd Ismail. Effect of trans-resveratrol on matrix metalloproteinases (MMPs) secretion by dexamethasone treated human trabecular meshwork cells (HTMCs). Abstracts of 33rd Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP) "Towards innovative and sustainable research in drug discovery". July 15-16, 2019, The Everly Hotel, Putrajaya [Poster presentation – 05R]. Malaysian Society of Pharmacology and Physiology, 2019. [English]
309. Noor Azliza Wani Abd. Aziz, **Igor Iezhitsa**, Renu Agarwal, Nor Salmah Bakar, Azian Abd. Latiff, Nafeeza Mohd. Ismail. Neuroprotection by resveratrol against collagenase collagenase-induced intrastriatal injury in rats involves adenosine A1 receptor stimulation. Abstracts of Malaysian Anatomical Association Conference (MAAC 2019) "Paradigm of Translational Research in Anatomy". September 4-5, 2019, Marina Putrajaya, Kuala Lumpur, Malaysia [Oral presentation – O44]. Malaysian Anatomical Association Conference, 2019, p. 34. [English]
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312. Afiiq Aiman Abd Gapor, **Igor Iezhitsa**, Renu Agarwal, Nurul Alimah Abdul Nasir, Alexander Spasov, Olga Zhukovskaya. Protective Effect of RU615 on NMDA-Induced retinal damage and retinal ganglion cell death in sprague dawley rats: involvement of adenosine A1 receptor. Abstract book of UiTM Research Fiesta 2019, Dewan Berlian, Universiti Teknologi MARA Selangor, October 12-13, 2019, p. 20 (Poster presentation – A12) [English]
313. Noor Azliza Wani Abd. Aziz, **Igor Iezhitsa**, Renu Agarwal, Nor Salmah Bakar, Azian Abd. Latiff, Nafeeza Mohd. Ismail. Adenosine A1 receptors play an important role in neuroprotection by resveratrol against neurobehavioural deficits in rat model of haemorrhagic stroke. Abstract book of UiTM Research Fiesta 2019, Dewan Berlian, Universiti Teknologi MARA Selangor, October 12-13, 2019, p. 36 (Poster presentation – A28) [English]
314. Siti Norsyafika Kamarudin, **Igor Iezhitsa**, Minaketan Tripathi, Renad Alyautdin, Nafeeza Mohd Ismail. Neuroprotective effect of poly (lactic-co-glycolide) nanoparticle-bound brain-derived neurotrophic factor in a middle cerebral artery occlusion model of ischemia in rats. Abstract book of UiTM Research Fiesta 2019, Dewan Berlian, Universiti Teknologi MARA Selangor, October 12-13, 2019, p. 39 (Poster presentation – A31) [English]
315. Anna Krasilnikova, Nurul Ainsya Bakry, Renu Agarwal, Siti Hamimah Sheikh Abdul Kadir, **Igor Iezhitsa**, Nafeeza Mohd Ismail. The role of inhibitors of the renin-angiotensin system in the attenuation of dexamethasone-induced remodeling in the trabecular meshwork. 24th Iranian and 3rd International Congress of Physiology and Pharmacology", 30th October to 1st November, 2019, Shahed University, Tehran, Iran. *Journal of Basic and Clinical Pathophysiology* 2019-2020 Autumn-Winter; Vol. 7 Suppl 1, p.106 [Symposium presentation – S081146-1]
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316. **Igor Iezhitsa**, Adrian Julian Marcus, Renu Agarwal, Pavel Vassiliev, Alexander Spasov, Olga Zhukovskaya, Vera Anisimova, Nafeeza Mohd Ismail. The discovery of a novel series of benzimidazoles as a new prospective class of ocular hypotensive agents. 24th Iranian and 3rd International Congress of Physiology and Pharmacology", 30th October to 1st November, 2019, Shahed University, Tehran, Iran. *Journal of Basic and Clinical Pathophysiology* 2019-2020 Autumn-Winter; Vol. 7 Suppl 1, p.107 [Symposium presentation – S081146-2]
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317. Afiiq Aiman B Abd Ghapor, Igor Iezhitsa, Renu Agarwal, Nurul Alimah Abdul Nasir, Alexander Spasov, Olga Zhukovskaya. Protective effect of RU615 and trans-resveratrol on NMDA-induced retinal damage in Sprague Dawley rats. Abstract book of Graduate Research Symposium 2019, 26th November 2019, Faculty of Health and Medical Sciences, Taylor's University Lakeside Campus, p. 27. (Poster presentation)
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320. Kamarudin SN, **Iezhitsa I**, Tripathy M, Alyautdin R, Ismail NM. Neuroprotective effect of poly(lactic-co-glycolic acid) nanoparticle-bound brain-derived neurotrophic factor in a permanent middle cerebral artery occlusion model of ischemia in rats. *Acta Neurobiologiae Experimentalis (Warsaw)*. 2020;80(1):1-18. doi: 10.21307/ane-2020-001
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323. Fazel MF, Abu IF, Mohamad MHN, Agarwal R, **Iezhitsa I**, Bakar NS, Juliana N, Mellor IR, Franzyk H. Philanthotoxin-343 attenuates retinal and optic nerve injury, and protects visual function in rats with N-methyl-D-aspartate-induced excitotoxicity. *PLoS One*. 2020 Jul 24;15(7): e0236450. doi: 10.1371/journal.pone.0236450. eCollection 2020.
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BOOKS, INVITED BOOK CHAPTERS, MANUALS AND EDUCATIONAL MATERIALS

1. Petrov V.I., Spasov A.A., Nedogoda S.V., Gurova N.A., **lezhitsa I.N.**, Stepanov A.V., Ivakhnenko I.V., Efremov A.P. The Russian encyclopaedia of nutritional supplements. Eds.: V.I. Petrov, A.A. Spasov, Moscow: "GEOTAR-Meditsina" publishing house, 2007, 1056 pp. **[Russian]**, *Групп УМО*⁷. ISBN: 978-5-9704-0452-2
2. Kosolapov V.A., Chernikov M.V., Grechko O.Yu., **lezhitsa I.N.**, Kucheriavenko A.F. Choice questions in pharmacology: The manual in English. Eds.: A.A. Spasov, V.V. Zhura, Volgograd: publisher of Volgograd State Medical University, 2007, 154 pp. **[English]**, *Групп УМО*
3. **lezhitsa I.N.**, Gurova N.A., Kosolapov V.A., Orobinskaia T.A., Chernikov M.V., Shcherbakova N.M. The manual for students on training for final control work in pharmacology (II part). Eds.: A.A. Spasov, Volgograd: publisher of Volgograd State Medical University, 2007, 110 pp. **[Russian]**, *Групп УМО*
4. Nafeeza Mohd Ismail, Renu Agarwal, **Igor lezhitsa**. MCQs in cardiovascular pharmacology. Shah Alam, Universiti Teknologi MARA, Faculty of medicine: University Publication Centre (UPENA), 2011, 222 pp. **[English]** ISBN: 978-967-363-261-9
5. Spasov A.A., **lezhitsa I.N.**, Vasil'ev P.M., Ozerov A.A. Pharmacology of drug stereoisomers – Monograph. Volgograd: Publisher of Volgograd State Medical University, 2011, 344 p. **[Russian]** ISBN: 978-5-9652-0153-2
6. Nafeeza Mohd Ismail, Renu Agarwal, **Igor lezhitsa**. MCQs in cardiovascular pharmacology. Shah Alam, Universiti Teknologi MARA, Faculty of medicine: Penerbit Press, 2011 (reprinted 2012), 222 pp. **[English]** ISBN: 978-967-363-261-9
7. Nafeeza Mohd Ismail, **Igor lezhitsa**, Muhammad Huzaimi Haron. PBQ workbook on cardiovascular pharmacology. Shah Alam, Universiti Teknologi MARA, Faculty of Medicine: Penerbit Press, 2013, 91 pp. **[English]** ISBN: 978-967-363-425-5
8. **lezhitsa, I.N.** (2014). Corticosteroids (Ch 12). In: Gupta, SK., Agarwal, R. and Srivastava S. Textbook on Clinical Ocular Pharmacology & Therapeutics. New Delhi: Jaypee Brothers Medical Publishers. p. 171-181. **[English]** ISBN: 978-93-5152-341-3
9. Srivastava S., **lezhitsa I.N.**, Gaur S. (2014). Nutritional Supplements: Miscellaneous Drugs (Ch 19). In: Gupta, SK., Agarwal, R. and Srivastava S. Textbook on Clinical Ocular Pharmacology & Therapeutics. Textbook on Clinical Ocular Pharmacology & Therapeutics. New Delhi: Jaypee Brothers Medical Publishers. p. 271-285. **[English]** ISBN: 978-93-5152-341-3

INVENTION INNOVATION & DESIGN EXHIBITIONS

1. **INVENTION, INNOVATION AND DESIGN EXPO (IIDEX2013)** "Knowledge Wealth Creation". 15-17 Mac 2013, Dewan Agung Tuanku Canselor, Universiti Teknologi MARA, Shah Alam (Jury)
2. **Innovation Competition Day 20018** at Faculty of Medicine, Universiti Teknologi MARA as pre IIDEX2018 event, Academic Building, Faculty of Medicine, Universiti Teknologi MARA, Sg Buloh Campus, 25 July 2018

Silver Medal winner (Adrian Julian Marcus); Silver Medal winner (Lidawani Lambuk); Gold Medal winner (Azliana Jusnida Ahmad Jafri); Bronze Medal winner (Mohd Aizuddin bin Mohd Lazaldin); Bronze Medal winner (Natasha Najwa Nor Arfuzir); Bronze Medal winner (Normie Aida Mohd Nasir); Bronze Medal winner (Siti Norsyafika Kamarudin)
1. **Invention Innovation & Design Exposition 2018 (IIDEX 2018)**, Universiti Teknologi MARA, Dewan Agong Tuanku Canselor (DATC), Shah Alam, Selangor, Malaysia (<http://iidex.com.my/iidex2018/>); **Silver Medal winner** for presentation "*Magnesium Acethyltaurate for Prevention of Vision Loss in Ophthalmic Diseases Causing Irreversible Blindness*" (Renu Agarwal, **Igor lezhitsa**, Azliana Jusnida Ahmad Jafri, Lidawani Lambuk, Natasha Najwa Nor Arfuzir)
2. **30th International Invention, Innovation & Technology Exhibition 2019 (ITEX 2019)**, 2-4 May 2019, Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia (KLCC). **ITEX 2019 Silver Medal** for the invention "*PhTX-343 as anti-glaucoma agent*" (Izuddin Fahmy Abu, Mohamad Haiqal Nizar Mohamad, Muhammad Fattah Fazel, Renu Agarwal, **Igor lezhitsa**, Henrik Franzyk, Ian R. Mellor)

⁷ *Групп УМО* (Russian: *Групп учебно-методического объединения по классическому университетскому образованию*) – Approved by Educational and Methodical Association of Higher Educational Institutions of Russian Federation for teaching in the higher professional education in Russian Federation.

3. **International Conference and Exposition on Inventions by Institutions of Higher Learning (PECIPTA 2019):** PECIPTA'19 @ UTHM Johor, 22-23 September 2019, Ministry of Education Malaysia and Universiti Tun Hussein Onn Malaysia (UTHM), Batu Pahat, Johor **PECIPTA 2019 Silver Medal** for the invention "PhTX-343 – a promising neuroprotective anti-glaucoma agent" (Izuddin Fahmy Abu, Mohamad Haiqal Nizar Mohamad, Muhammad Fattah Fazel, Renu Agarwal, **Igor Iezhitsa**, Henrik Franzyk, Ian R. Mellor)

INTERNATIONAL, NATIONAL AND REGIONAL SYMPOSIUM PARTICIPANT

1. 1st Congress of Russian Scientific Society of Pharmacologists "Fundamental researches as a basis of drugs creation". October 9-13, 1995, Volgograd.
2. IInd, IIIrd, IXth and XIIIth Russian National Congresses "The Man and Medicine". April 10-15, 1995; April 16-20, 1996, April 8-12, 2002 and April 3-7, 2006 Moscow (including symposium "100 anniversary of carnitine revelation: from revelation till wide clinical application").
3. 1st All-Russia Conference of Toxicologists "Urgent problems of theoretical and applied toxicology". St.-Petersburg, 1995.
4. XIVth International Symposium on Medicinal Chemistry, 1996, 8-12 September, Maastricht, the Netherlands.
5. 11th Noordwijkerhout-Camerino Symposium "Trends in drug research" 11-15 May 1997, Noordwijkerhout, the Netherlands⁸.
6. International Joint Meeting of Physiology. Sociedad Española de Fisiológicas (XXVIII Congreso Nacional) & The American Physiological Society. 4-7 February 1997, Malaga, Costa Del Sol, Spain.
7. Fourth National Congress of Pharmacology: "The challenges in the face of pharmacology on the verge of 21st century", 9-11 October 1997, Bulgaria, Sofia.
8. XIIIth International Congress of Pharmacology "From Molecular to Integrative Pharmacology: The IUPHAR Gateway to the 21st Century". 26-31 July 1998, München, Germany.
9. Conference of the Young Scientists of Russia with the international participation: "Fundamental sciences and progress of clinical medicine", devoted to 240th anniversary of I.M.Sechenov's Moscow Medical Academy, Moscow, 1998.
10. VIth and XIth Scientific – practical conferences on creation and approbation of new medicinal means: "Medicines for the man", Kharkov, 1998, 1999.
11. All-Russia Scientific Conference: "From *Materia Medica* to Modern Medical Technology". 13-15 May 1998, St.-Petersburg.
12. XVth EFMC International Symposium on Medicinal Chemistry. 6-10 September 1998, Edinburgh, Scotland.
13. All-Russia Scientific Conference with the international participation "Urgent problems of experimental and clinical pharmacology", June 2-5 1999. St.-Petersburg
14. 6th International Congress on Amino Acids, Bonn, Federal Republic of Germany, August 3-7, 1999⁹,
15. 12th Camerino-Noordwijkerhout Symposium "Receptor chemistry towards the third millennium", September 5-9, 1999, Camerino, Italy.
16. Annuary Regional Scientific Conference "The I.P. Pavlov's doctrine at the present stage and its development in proceedings of the Volgograd scientists", November 16-18 1999, Volgograd,
17. 55th Regional conference on pharmaceuticals, pharmacology and training of personnel. Pyatigorsk State Pharmaceutical Academy, Pyatigorsk. 2000
18. International Conference: "Central and peripheral mechanisms of autonomic nervous system". Ukraine, Donetsk, June, 7-11, 2000.
19. EUROTOX 2000; EUROTOX 2001. 17-20 September 2000. London. UK; 13-16 September 2001. Istanbul, Turkey.
20. VIII, IX and X (Anniversary) Young Scientists Conferences "Actual problems of pathophysiology" St.-Petersburg State Medical University. January 29-30, 2002¹⁰; April 18-19, 2003¹¹., April 15-16, 2004.

⁸ Award of Young People Affairs Department (Administration of Volgograd Region) for travelling on 11th Noordwijkerhout-Camerino Symposium

⁹ Travel Award, 6th International Congress on Amino Acids (Bonn, Federal Republic of Germany, 3-7 August 1999)

21. 6th International Congress "Actual problems of creation of new natural origin drug". St.-Petersburg, Russia, July 4-6, 2002.
22. All-Russia Scientific Conference "Neuropharmacology in XXI century", devoted to 110th anniversary of academician AMS USSR S.V. Anichkov, September 18-20, 2002, St.-Petersburg.
23. 15th Congress of the European College of Neuropsychopharmacology. Barcelona, Spain, 5-9 October 2002¹²; 8th ECNP Regional Meeting. Moscow, Russia, April 14-16, 2005
24. 2nd Congress of Russian Scientific Society of Pharmacologists "Fundamental problems of pharmacology". Moscow, April 21-25, 2003.
25. 58th Inter-regional conference on pharmacy and pharmacology: "Development, research and marketing of new pharmaceutical production", Pyatigorsk State Pharmaceutical Academy, Pyatigorsk. 2003.
26. Scientific conference devoted 50-years of Altay State Medical University: "Actual problems of pharmacology".
27. Scientific & practical conference of the paediatrists of Russia: "Pharmacotherapy in pediatrics", September 23-24, 2003, Moscow.¹³
28. International scientific & practical conference, devoted 200-years of Caucasian mineral waters: "Bioresources. Biotechnologies. Innovations of South of Russia". October 21-24, 2001, Pyatigorsk.
29. VI Cardiostim Pan Slavic International Congress on Cardiac Pacing and Electrophysiology; VIII Russian Symposium on Cardiac Pacing and Electrophysiology; VI Russian Symposium «Diagnosis and therapy of arrhythmias in children»; IV International Symposium «Electronics in Medicine. Monitoring, Diagnosis, Therapy». St.Petersburg. February 5–7th, 2004.
30. Young scientists scientific & practical conference "Urgent questions of clinical and experimental medicine" St.-Petersburg.
31. 8th International Symposium on Metal Ions in Biology and Medicine. Hungarian Academy of Sciences, Budapest, Hungary, May 18-22, 2004¹⁴.
32. I.P. Pavlov's Physiological society XIX Congress, Ekaterinburgh, Russia, September 20-24, 2004.
33. Young scientists scientific & practical conference. Ukraine, Odessa, Odessa State Medical University. October 14-16, 2004.
34. Gordon Research Conference on Magnesium in Biochemical Processes & Medicine. Ventura, CA, USA. February 6-11, 2005¹⁵.
35. 1st Annual European Congress (X Jubilee Polish Magnesium Symposium) "Magnesium and other bioelements in organism and in environment" Magnesium Symposium 2005. Kraków, Poland. September 23-24, 2005¹⁶.
36. Inter-regional scientific & practical conference of young scientists with international participation: "Modern directions of theoretical and applied medicine". Voronezh: Voronezh state medical academy, 2005.
37. 4th International Conference "Biological basis of individual sensitivity to psychotropic drugs" March 13-16, 2006, "Podmoscovje". Moscow: State Zakusov Institute of Pharmacology RAMS.
38. 9th International Symposia on Metal Ions in Biology and Medicine "Metal ions role in life: an integrated view". Centro de Congressos da Universidade Católica, Lisboa, Portugal, May 21-24, 2006.¹⁷

¹⁰ The diploma of the first degree was awarded for the work (St.-Petersburg State Medical University. January 29-30, 2002)

¹¹ The diploma of the first degree was awarded for the work (St.-Petersburg State Medical University. April 18-19, 2003)

¹² The work was selected for ECNP Fellowship Award 2002 (Barcelona, Spain, 5-9 October 2002).

<http://www.ecnp.nl/Matters/number4/fellowship.htm>

¹³ The diploma of the first premium was awarded in competition of young scientists (Moscow, September 23-24, 2003).

¹⁴ Grant-in-Aid of Open Company "Ruvenex" (Moscow) for travelling on 8th International Symposium on Metal Ions in Biology and Medicine (Budapest, Hungary, May 18-22, 2004)

¹⁵ Attending Gordon Research Conference on Magnesium in Biochemical Processes & Medicine (Ventura CA, USA) was sponsored by Grant-in-Aid from the Chair's Fund of GRC

¹⁶ Grant-in-Aid of Joint-Stock Company "BioAmid" (Saratov) for travelling on 1st Annual European Congress (X Jubilee Polish Magnesium Symposium) "Magnesium and other bioelements in organism and in environment" Magnesium Symposium 2005 (Kraków, Poland. September 23-24, 2005)

¹⁷ Attending 9th International Symposium on Metal Ions in Biology and Medicine was sponsored by INTAS Conference Individual Grant

39. 11th International Magnesium Symposium & Joint Meeting of the Japanese Society for Magnesium Research. Shima Kanko Hotel, Kashikojima, Japan, October 23-26, 2006 ¹⁸.
40. 2nd International scientific & practical conference "Bioelements" of the Russian Society of Trace Elements in Medicine (RUSTEM): "Scientific bases and experience of application of bioelements in medicine, sports, the food-processing industry and agriculture". Orenburg, Russia, January 23-25, 2007.
41. III Congress of Russian scientific society of the pharmacologists "Pharmacology to practical public health services". Saint-Petersburg, Russia, September 23-27, 2007,
42. IX Congress of International association of morphologists. Bukhara, Uzbekistan, May 14-17, 2008.
43. International symposium «Adaptable physiology and quality of life: problems of traditional and innovational medicine», devoted to an 80-anniversary of prof. N.A. Agadzhanyan, Moscow, Russia, May 15-16, 2008.
44. 10th Symposium on Metal Ions in Biology and Medicine. Conceil Général de Haute-Corse, Bastia, Corsica, France, May 19-22, 2008.
45. Symposium "Results of fundamental and applied researches for creation of new drugs" Moscow, June 9-11, 2008.
46. II congress of the Russian Society of Trace Elements in Medicine (POCMЭM), November 24-27, 2008, Tver, Russia.
47. 55th anniversary regional scientific conference of the Volgograd state medical university "Modern innovational medicine for the population of Volgograd area", December 8-12, 2008, Volgograd, Russia.
48. XIIIth International Magnesium Symposium, September 22-25 2009, Iasi, Romania. (**Oral Presentation**)
49. 24th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology (MSPP 2010) "Nature & Health", 2-3 June 2010, SACC Convention Center, Shah Alam, Malaysia (**Organizing Committee, Oral Presentation**)
50. 4th International FESTEM Symposium on Trace Elements and Minerals, 9-12 June, 2010, Saint Petersburg, Russia.
51. VII Scientific Conference "Biomedical and biomodeling." Moscow, Moscow region - Svetlye Gory [VII nauchno - prakticheskaya konferentsiya «Biomeditsina i Biomodelirovanie». Moskva, Moskovskaya oblast' - Svetlye Gory], 24-26 May 2011.
52. 25th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology (MSPP 2011), May, 25- 26, 2011, The Faculty of Medicine and Health Sciences, Universiti Putra Malaysia (UPM), Serdang, Selangor, Malaysia.
53. NCCR 2011 Pre-conference Event "Clinical Trial Methods & Critical Appraisal Skills", Sunway Resort Hotel & Spa, June 19 - 20, 2011
54. NCCR 2011 Pre-conference Event "Research Governance & Ethics", Sunway Resort Hotel & Spa, June 21, 2011
55. National Conference for Clinical Research 2011 (NCCR 2011) "Trials, Registries and Databases: Many Angles, One Aim", Sunway Pyramid Convention Centre, Petaling Jaya, Selangor, 22-24 June 2011
56. The Congress on Natural Products, Khao Lak Emerald Resort & Spa, Phang Nga, Thailand, 17 & 18 October 2011.
57. III International Scientific and Practical Conference "Bioelements" (fundamentals and practical experience of bioelements application in medicine, food industry, environment and agriculture). [III Mezhdunarodnaya nauchno - prakticheskaya konferentsiya "Bioelementy" (Fundamental'nye osnovy i prakticheskiy opyt primeneniya bioelementov v meditsine, pishchevoi promyshlennosti ekologii i sel'skom khozyaistve)] Orenburg, Russia, 15-17 November 2011.
58. 26th Scientific meeting of Malaysian Society of Pharmacology and Physiology (MSPP 2012) "Translational research for sustainable wellness: From perception to reality". 18-20th May 2012, Equatorial Hotel, Penang, Malaysia.
59. 11th Annual Scientific Meeting, College of Pathologists, Academy of Medicine. 8-10th June 2012, Crown Plaza Mutiara Hotel, Kuala Lumpur, Malaysia (**Oral Presentation**).

¹⁸ Attending 11th International Magnesium Symposium & Joint Meeting of the Japanese Society for Magnesium Research was sponsored by The Russian Foundation for Basic Research and Organizing committee of Magnesium Symposium

60. IVth Russian Congress of Pharmacology (Innovations in Modern Pharmacology), Korston Hotel & Mall, Kazan, Russian Federation, September, 18-21 2012 (**Oral and Poster Presentations**).
61. 12th Meeting of the Asia Pacific Federation of Pharmacologists. Shanghai, China, July 9-13, 2013. (**Oral Presentation, Chairpersons of Conference Session**)
62. 27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology "Towards Comprehensive Wellness". MS Garden Hotel, Kuantan, Pahang, September 6-8, 2013. (**Oral Presentation, Best Oral Presentation**)
63. XXII Congress of the IP Pavlov's Physiological Society (XXII Съезд Физиологического общества им. И.П. Павлова), Volgograd, Russian Federation, 16-20 September 2013 (**Oral Presentation**)
64. Research Colloquium 2013 "Enhancing Passion for Research & Innovation", 4 & 5 December 2013, Auditorium 3. Universiti Teknologi MARA, Sg. Buloh
65. 17th World Congress of Basic and Clinical Pharmacology, 13–18 July 2014, Cape Town International Convention Centre (CTICC), Cape Town, South Africa (**Poster Presentation**)
66. Pharmacology & Physiology International Scientific Congress 2014 (PPISC2014). 22 to 24 August 2014, Putra World Center, Kuala Lumpur, Malaysia.
67. ASCEPT-BPS joint scientific meeting "Tomorrow's medicines: pharmacology, patients and populations". [*The first joint meeting between the Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists (ASCEPT) and the British Pharmacological Society (BPS) in association with the Hong Kong Pharmacology Society (HKPS) and the Asia Pacific Federation of Pharmacologists (APFP)*] 19-21 May 2015, University of Hong Kong.
68. 29th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology "Biomolecules in Science and Health", 24-25th August 2015, Setia City Convention Centre (SCCC), Shah Alam, Selangor, Malaysia. (**Organizing Committee, Invited Symposium Speaker**)
69. Research Week 2015 "Increasing Effectiveness of Research and Innovation for Health", 5-9 October 2015, Faculty of Medicine, Sungai Buloh Campus
70. 13th Asia Pacific Federation of Pharmacologist (APFP) Meeting "New Paradigms in Pharmacology for Global Health", 1-3 February 2016, Berkeley Hotel Pratunam, Bangkok, Thailand (**Oral Presentation**)
71. 30th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology "Health Sciences: Frontiers in Translational Medicine", 15-16th August 2016, Putrajaya, Malaysia
72. 14th Meeting of the Asian-Pacific Society for Neurochemistry (APSN2016). 27-30 August 2016, Hotel Istana, Kuala Lumpur, Malaysia.
73. 30th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology "Health Sciences: Frontiers in Translational Medicine", 15-16th August 2016, Putrajaya, Malaysia (**Poster Presentation**).
74. Second joint venture between the Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists (ASCEPT) and the Molecular Pharmacology of GPCRs (MPGPCR) meeting: ASCEPT-MPGPCR Joint Scientific Meeting 2016 "Therapeutic targeting: right place, right time, right effect". 27–30 November 2016, Melbourne Convention and Exhibition Centre, Australia. (**Oral Presentation**)
75. 31st Scientific Meeting of Malaysian Society of Pharmacology & Physiology (MSPP2017) "Advancement in Research for Sustainable Health". 18–19 August, 2017, School of Dental Sciences. Health Campus, USM, Kelantan (**Invited Speaker Presentation**).
76. World Congress on Pharmacology & Chemistry of Natural Compounds (WCPCNC-2017), October 09-11, 2017 Tbilisi, Georgia (Tbilisi State Medical University & Innovinc International) (<http://pharmacologycongress.org/>) (**Invited Speaker Presentation, Symposium Chairperson**)
77. 49th RANZCO Annual Scientific Congress (The 49th Annual Scientific Congress of the Royal Australian and New Zealand College of Ophthalmologists, 28 Oct. – 1 Nov. 2017, Perth, Australia (Poster presentation) ¹⁹
78. International Conference on Medical and Health Sciences (ICCHS2017), Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, November 1-2, 2017 (<http://icchs2017.weebly.com/>) (organizing committee, poster presentation, session chairperson)

¹⁹ Attending 49th RANZCO Annual Scientific Congress (The 49th Annual Scientific Congress of the Royal Australian and New Zealand College of Ophthalmologists), Perth, Australia was sponsored by RANZCO 2017 International Development Grant Program

79. V Congress of Russian Pharmacologists "Scientific foundations for research and development of novel drugs", 14-18 May 2018, Yaroslavl, Russian Federation (**Invited Symposium Speaker, Organising Symposium Chairperson**)
80. Symposium and Round Table Discussion on "Anti-viral treatment of global viral infections: Pharmacoepidemiology and Pharmacoconomics" with Researchers from Peoples' Friendship University of Russia, 12th–12th March 2018, Faculty of Medicine, Sg Buloh Campus (**Organizing committee**)
81. Malaysian Association of Education in Medical & Health Sciences Conference 2018 (MAEMHS Conference 2018), 16 & 17 November 2018, Universiti Teknologi MARA, Faculty of Medicine, Selayang Campus (**Participant**)
82. XV International Magnesium Symposium "Magnesium in Health and Disease", March 20-22, 2019, Bethesda, National Institutes of Health (NIH), Maryland, USA. (**Oral presentation**)
83. 4th Russian Conference on Medicinal Chemistry with international participants (MedChem Russia 2019). June 10-14, 2019, Ural Federal University named after the First President of Russia B.N. Yeltsin, Ekaterinburg, Russia (**Invited Symposium Speaker; Symposium Chairperson**)
84. 29th Annual Scientific Meeting of Malaysian Society of Neurosciences (MSN) "Celebrating 30th Anniversary of the Malaysian Society of Neurosciences". July 4-7, 2019. Grand River View Hotel, Kota Bharu, Kelantan (**Invited Symposium Speaker**)
85. 24th Iranian and 3rd International Congress of Physiology and Pharmacology", 30th October to 1st November, 2019, Shahed University, Tehran, Iran (**Keynote Speaker, Invited Symposium Speaker, Organising Symposium Chairperson**)
86. Alzheimer's Association International Conference® 2020 (AAIC®), July 27-31. (**Virtual Poster Session: "Targeting the BDNF/TrkB pathway for the treatment of amyloid beta 1-40-induced neurodegeneration: focus on ocular manifestations of Alzheimer's disease"**).

WORKSHOPS AND ADVANCED SUBJECT TRAINING COURSES

1. One-year training language courses of reviewer-interpreter of scientific literature (speciality – biology, language – English), A. M. Gorky Ural State University (USU) – Urál'skiĭ Gosudárstvennyĭ Universitét Imeni A. M. Górkogo, Yekaterinburg, Russia; September, 1992 – May, 1993.
2. Advanced subject training courses (72 hours) "Psychology and pedagogics in High School", Moscow State University of Medicine and Dentistry – Moskovskii Gosudárstvennyĭ Mediko-Stomatologícheskii Universitét, Volgograd; September, 2000 – October 2000.
3. Advanced subject training courses "Effects and administration of medical agents; the organization of drugstores' guidance in conditions of the market", Volgograd Medical Academy (VMA) – Volgográdskaya Meditsínskaya Akadémiya, Volgograd, Russia; February, 2001 – March, 2001.
4. Advanced subject training courses "The management of drugstore business in present conditions", Volgograd State Medical University (VolSMU) – Volgográdskii Gosudárstvennyĭ Meditsínskii Universitet, Volgograd, Volgograd, Russia; May, 2004 – June, 2004.
5. English course "English for Medicine", M.L.S. International College Bournemouth (Management & Language Specialists), Bournemouth, UK, March, 2007.
6. Advanced subject training courses (216 hours) "Supply, economic and marketing activity of drugstore organization", Volgograd State Medical University (VolSMU) – Volgográdskii Gosudárstvennyĭ Meditsínskii Universitet, Volgograd; April, 2007 – May, 2007;
7. Advanced subject training courses (72 hours) "Psychological, pedagogical and organizational methodical aspects of education process in Medical High School", Volgograd State Medical University (VolSMU) – Volgográdskii Gosudárstvennyĭ Meditsínskii Universitet, Volgograd, Russia; February, 2008 – March, 2008.
8. 4th annual research workshop 2009 "Research beyond boundaries", July 24 & 25, 2009, Intekma Resort, Shah Alam, Malaysia.
9. 4th Postgraduate workshop, 9th January 2010, Universiti Teknologi MARA, Faculty of medicine, Selayang Campus, Malaysia
10. Problem-based Learning Workshop: "How to construct a PBL session", 22th January 2010, Universiti Teknologi MARA, Faculty of medicine, Selayang Campus, Malaysia
11. Workshop: "How to construct multiple choice questions", 9 April 2010, Universiti Teknologi MARA, Faculty of medicine, Selayang Campus, Malaysia

12. Pre conference workshop: 6th Workshop on "Applications, Techniques & Analysis of Data in Cardiovascular & Neurophysiology Research by ADInstruments", 31 May 2010 – 1 June 2010, Universiti Teknologi MARA, Faculty of Medicine, Shah Alam, Malaysia.
13. Pre-conference workshop "Herbal Medicine Research: Challenges and Prospects", 1 June 2010, Lecture Hall 1, Level 6, Faculty of Medicine, Universiti Teknologi MARA, Shah Alam, Malaysia.
14. Summit on Medical Education, International Academic Advisory Board (IAAB) Meeting 2010, 16th October 2010, Faculty of Medicine, Universiti Teknologi MARA, Selayang Campus.
15. 4th National workshop on the care and management of laboratory animal research: "Doing It Right" 2010, 19-21 October 2010, Equatorial Hotel, Penang, Malaysia.
16. Good Clinical Practise (GCP) Workshop 2010, Centre for Translational Research & Epidemiology (CentRE), 3-5 December 2010, Lecture Hall, Faculty of Medicine, Selayang Campus, Malaysia
17. Research Expedition Series (Taklimat Perdana Geran Penyelidikan FRGS, ERGS dan DANA Kecemerlangan) (6 hours), Institute of Leadership & Quality Management, Universiti Teknologi MARA, 03 March 2011.
18. 2nd Good Laboratory Animal Practice (GLAP) Workshop of the Laboratory Animal Care Unit (LACU), Laboratory Animal Care Unit (LACU), Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh Campus, 20th & 21st July 2011.
19. Workshop of 'Hawk Eye Slit Lamp' at Laboratory Animal Care Unit (LACU), Laboratory Animal Care Unit (LACU), Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh Campus, 14th september 2011.
20. 1st Annual IMMB Postgraduate Colloquium, 25-26 November 2011, Carlton Holiday Hotel & Suites, Shah Alam, Malaysia.
21. 2011 Summit on Medical Education, Faculty of Medicine, Selayang Campus, 4th and 5th December 2011.
22. 5th Annual BioPharma Asia Convention 2012 " Drug Discovery World Asia 2012", Terrapinn, Marina Bay Sands, Singapore, March 19-22, 2012
23. iLQAM Workshop "Postgraduate supervision and thesis evaluation" (6 hours). Seminar Room, Level 4, Institute of Leadership & Quality Management, Universiti Teknologi MARA, Shah Alam, March 16, 2012.
24. 2nd MSPP refresher course: Drug cellular mechanisms and dose response curves. Conjointly organized by the Malaysian Society of Pharmacology and Physiology (MSPP) and Faculty of Medicine, Universiti Teknologi MARA, Lecture Hall 1, Level 6, Tower 1, Science & Technology Complex, Faculty of Medicine, Shah Alam Campus, June 06, 2012 (Role: **organizing committee**)
25. The Annual Curriculum Review Workshop, Faculty of Medicine, Selayang Campus, Lecture Hall & Seminar Rooms 1 & 2, 4th and 5th December 2012.
26. The 2nd Annual IMMB Postgraduate Colloquium (AIPC), Auditorium Faculty of Medicine, Sungai Buloh Campus. 9-10 January 2013.
27. Kursus Asas Pengajaran & Pembelajaran Programme 2013/1 (KAP 2013/1) or Basics In Teaching & Learning Programme 2013/1 For New Lecturers, 29 Jan – 1 Feb 2013, **Speaker**: Topic: "Co-operative & Collaborative Teaching & Learning (L & D)" (Auditorium 3, Level 1, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh, Selangor Darul Ehsan), iLQAM
28. Half-day seminar "Awareness on Systematic Review and Meta-Analyses". 6 April 2013 (Sat) Auditorium 1, Level 1, Academic Building, Faculty of Medicine, Universiti Teknologi MARA, Sg Buloh.
29. Workshop on "How to Write a Winning Grant Proposal" (30-31 May, 2013; Thursday – Friday; Auditorium 3, Level 1, Faculty of Medicine, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh, Selangor Darul Ehsan) (Organizing Secretary)
30. Case Base Learning Workshop 2013: Training the Trainers, 28 June 2013, Auditorium 1, Level 1, Sg Buloh Campus, Faculty of Medicine, Universiti Teknologi MARA.
31. International Academic Advisory Board (IAAB), Visit 2013, 19-20 August 2013, Auditorium 3, Faculty of Medicine, Sundai Buloh Campus, Universiti Teknologi MARA.
32. Summit on Medical Education 2013, 22 & 23 August 2013 (Thursday & Friday), Auditorium 1, Academic Building, Faculty of Medicine, Universiti Teknologi MARA, Sg Buloh Campus, Lalan Hospital, 47000 Sungai Buloh, Selangor, Malaysia.
33. Annual Curriculum Review Workshop 2014, Auditorium 3, Faculty of Medicine, Universiti Teknologi MARA, Sg Buloh Campus

34. Workshop on Academic Mentoring, Faculty Meeting Room, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh Campus, Universiti Teknologi MARA, 4th December 2014
35. Kursus Akademik, Pengajaran dan Pembelajaran (Basics in Teaching & Learning), KAP 2014/1 Basics in Teaching & Learning Programme 2014/1 For New Lecturers, 31 March, 2014 **Speaker**: Topic: Lecture “Co-operative & Collaborative Teaching & Learning (L & D)”, Tuesday, 1 April, 2014
36. UiTM Academic Conference, Universiti Teknologi MARA, Shah Alam, Dewan Agung Tuanku Canselor, 10-11 February 2015
37. Workshop “Components and modes of effective pharmacology teaching in clinical years” 27 February 2015, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh campus (Role: **organizing committee**)
38. Summit on Medical Education. 27-28th August 2015, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh campus. (Role: **organizing committee**)
39. International Advisory Academic Board Visit 2015 – Post Graduate Training (Sesi Petang), 26th August 2015
40. Jemputan Menghadiri Bengkel Semakan Kurikulum Program MSc dan PhD 2015. 8th September 2015, Seminal room MERDU, Sungai Buloh Campus, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor
41. Kursus Akademik, Pengajaran dan Pembelajaran (Basics in Teaching & Learning), KAP 2015/2 Kursus Asas Pengajaran (KAP) [Basics of Teaching] 2015/2 For New Lecturers, 23– 27 November, 2015 Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, Malaysia. Topic: Lecture “Co-operative & Collaborative Teaching & Learning (L & D)”, Tuesday, 24 November 2015 (Role: **Invited Speaker**)
42. Co-organising IBRO Workshop and Symposium 2016 W1 Rodent Based, August 8-14, 2016 9t h August 2016, Centre for Neuroscience Research, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, Malaysia. (Role: **Speaker**)
43. Kursus Akademik, Pengajaran dan Pembelajaran (Basics in Teaching & Learning), KAP 2016 Kursus Asas Pengajaran (KAP) [Basics of Teaching] 2016 For New Lecturers, 14 – 18 November, 2016; Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, Malaysia. Topic: “Co-operative & Collaborative Teaching & Learning (L & D)”, Tuesday, 16 November 2016 (Role: **Invited Speaker**)
44. BRIMS Technical Workshop: Animal Care & Behavioral Study, 22 November 2016; Brain Research Institute Monash Sunway, Jeffrey Cheah School of Medicine and Health Sciences (Role: **Invited Speaker**)
45. Seminar for Reviewers and Editors of Biomedical Journals from South East Asia and ASEAN Nations organised by Malaysian Medical Association, Park Royal Hotel, Kuala Lumpur, Malaysia, 25th April 2017 (Role: **Participant**)
46. International Conference on Medical and Health Sciences (ICCHS2017), Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, November 1-2, 2017 (<http://icchs2017.weebly.com/>) (National Level, Role: **Organising Committee – Scientific Committee**)
47. Manuscript Writing Workshop organised by Health & Wellbeing CoRe and Journal of Clinical and Health Sciences (JCHS), 3rd-5th October 2017, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor (Role: Facilitator, **Organising Committee**)
48. Pre-Conference ICCHS2017 Presentation Skills Workshop, 26th October 2017, Faculty of Medicine, Universiti Teknologi MARA (Role: **Organising Committee**)
49. Workshop on Methods in Experimental Ophthalmology (organised by NeuRon), 16th-17th November 2017, NeuRon, Academic Building, Faculty of Medicine, Sg Buloh Campus (Role: **Organising Committee**)
50. MSPP Teacher’s Refresher Course, 18 Nov. 2017 Jeffrey Cheah School of Medicine and Health Sciences, Monash University Malaysia (Role: **Participant**)
51. Kursus Akademik, Pengajaran dan Pembelajaran (Basics in Teaching & Learning), KAP 2017 Kursus Asas Pengajaran (KAP) [Basics of Teaching] For New Lecturers 2017 (20-24 November 2017); Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, Malaysia. Topic: Lecture “Co-operative & Collaborative Teaching & Learning (L & D)”, Wednesday, (22 November 2017) (Role: **Invited Speaker**)
52. International Brain Research Organization (IBRO) – Asia Pacific Regional Committee (APRC) Associate School, IBRO-APRC Associate School of Neuroscience 2018, 24-28th September 2018. Theme talk speaker (26th September 2018) with topic “Modelling Alzheimer’s disease with non-transgenic rat models: Effect of BDNF on amyloid beta induced learning and memory impairment in Sprague Dawley rats”, Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam Campus; Co-organisers and facilitators for workshop “Depression, Pain and Anxiety Models” (26th-27th September 2018), Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh

- Campus, Centre for Neurosciences (NeuRon). (Role: **Theme talk speaker, Co-organisers and Facilitators** for Workshop “Depression, Pain and Anxiety Models”)
53. Seminar on “Basic Requirement in Animal Research – Appropriate Animal Models and Animal Facility”, organised by Prima Nexus and Animal Research and Service Centre, Universiti Sains Malaysia, Kelantan, Malaysia, 20th March 2018, Bilik Tutorial A – Pusat Pengajian Sains Perubatan – Universiti Sains Malaysia – Malaysia (Role: **Guest Speaker**)
 54. Workshop on “Good Prescribing Skills” in collaboration with UM (Prof. Dr. Sim Si Mui), 7th February 2018, Universiti Teknologi MARA, Faculty of Medicine, Sg Buloh Campus (Role: **Member of Organising Committee**)
 55. JCHS Publication Workshop organised by Health & Wellbeing CoRe and Journal of Clinical & Health Sciences (JCHS), 10th–12th April 2018, Bilik Seminar, Level 3, MERDU, Academic Building, Faculty of Medicine, Universiti Teknologi MARA, Sg Buloh Campus (Role: **Speaker, Facilitator, Organising Committee**)
 56. Emerging Research Leaders Series (ERLS) Workshop Bengkel Penulisan Jurnal, 17-19 July 2018, Universiti Teknologi MARA, Shah Alam (Role: Participant)
 57. Scientific Writing Workshop 1: Essentials in Research Grant Proposal Writing, 30th July & 1 August 2018, Universiti Teknologi MARA, Faculty of Medicine, Sungai Buloh Campus, Institute for Pathology, Laboratory and Forensic Medicine (I-PPerForM); Speaker for the Scientific Writing Workshop 1: Essentials in Research Grant Proposal Writing with talk “What do research grant reviewers look for?” (Role: **Speaker**)
 58. Presentation Skills Workshop, 25th October 2018, Bilik Seminar, Level 3, MERDU, Academic Building, Faculty of Medicine, Universiti Teknologi MARA, Sg Buloh Campus (Role: **Speaker, Facilitator, Organising Committee**)
 59. The half-day seminar “Surviving The Viva' Seminar”: Panel for “The viva – examiner’s point of view and candidate’s point of view”. April 10, 2019. Seminar Room 5, Level 4, Academic Building, Faculty of Medicine, Sg Buloh Campus, Universiti Teknologi MARA, Sg Buloh, Selangor, Malaysia (Role: **Panelists in a Panel Discussion**).
 60. “Pengunaan Ubat Secara Selamat” Yang Merupakan Kempen Sejagat oleh Pertubuhan Kesihatan Sedunia (WHO) – Global Campaign: “Medication without Harm”. Panel for January 22, 2019. Auditorium 1, Fakulti Perubatan, Universiti Teknologi MARA Kampus Sg Buloh, Selangor, Malaysia (Role: **Panelists in a Panel Discussion, Organising Committee**).
 61. Presentation Skills Workshop, 10th October 2019, Bilik Seminar, Level 3, MERDU, Academic Building, Faculty of Medicine, Universiti Teknologi MARA, Sg Buloh Campus (Role: **Speaker, Facilitator, Organising Committee**)