

PERSONAL INFORMATION

Meyramov Gabit Gabdullowich



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| Дата рождения: .../.../....

PLACE OF WORK, POSITION

Buketov Karaganda University, Professor Emeritus of the Department of Zoology

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Doctor of Medical Sciences (USSR,1993), Doctor of Medical Sciences (Kaz.1998),
Professor (Kaz.2000)

WORK EXPERIENCE

Place and date

1964-1971 - Research Student, Department of Physiology, Karaganda Medical Institute (KGMI)
1971-1975 - KGMI research trainee
1976-1977-assistant of KGMI
1977-1983-Senior Lecturer of Karaganda Pedagogical Institute
1984-1996- Dozent of Pedagogical Institute (in 1996 became as part of KarU) since 1997
- Professor of KarU

EDUCATION AND PROFESSIONAL TRAINING

Education

- 1964-1971- Karaganda State Medical Institute (KGMI), medical faculty, specialty "medicine, therapy," qualification- doctor-physician
- 1971-1973 - KGMI research trainee
- 1974-1975-graduate student of KGMI;
- 1975-cand. medical sciences; code 14.00.16-pathological physiology (Higher Attestation Commission of the USSR)
- 1976-1977-assistant of KGMI
- 1977-1996 – Senior Lecturer, Dozent of Karaganda Pedagogical Institute (in 1996 it Became as part of KarU)
- 1997-2021-Professor KarU
- 1993 - Doctor. diss. State Peoples' Friendship University of Russia, RUDN; codes: 14.00.23.-histology, cytology, embryology; 14.00.03.-endocrinology) (Higher Attestation Committee of the USSR)
- 1998 - Doctor of medical science (Higher Attestation Commission of Kazakhstan), 14.00.23. - histology, cytology, embryology; 14.00.03.-endocrinology)
- 2000 – Professor (Attestation Committee of Kazakhstan)

**Professional trainings,
Scientific trips**

Internships in research methods in experimental diabetology:
 -Central Institute of Diabetes "Gerhardt Katch," Karlsburg, FRG - in 1988,1992, 1994,1996,1999,2008.
 -Sydney, Australia: 1988-Diabetes Center of the University of Sydney; Royal Prince Alfred Hospital of the University of Sydney.
 -Sydney, Australia: 1992 - Department of endocrinology of the University of Sydney; Diabetes Transplant Unit, New South Wales University.
 -Kiev, 1982,1983,1986 - Institute of Endocrinology and Metabolism of the Ministry of Health of the Ukrainian SSR.
 -Moscow, 1988-1994 - Institute of Experimental Endocrinology of the All-Union Endocrinology Scientific Center of the USSR.
 -Groningen, Holland, 1991- Department of Transplantology and Surgery, University of Groningen.
 -Leipzig, GDR, 1988 - Institute of Pathological Anatomy, University of Leipzig.
 -Frankfurt am Main, 1992 - methods of treating of diabetes mellitus and new drugs.

Scientific trips with reports to World, European and American Diabetes Congress to Sydney, Lisbon, Heidelberg, New York, Washington, Copenhagen, Vienna (3), Helsinki, Dubai, Amsterdam, Innsbruck, Barcelona and internships are provided by the inviting party, foreign laboratories and research centers

**EDUCATION AND
PROFESSIONAL TRAINING**

Karaganda, Karaganda Medical Institute, 1976, pathology;
 Moscow, State University of physical culture, 1978, physiology;
 Tartu, Estonian SSR, University of Tartu, Physiology

PERSONNEL QUALITIES

Native language Russian

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech		
Kazakh	A1	A1	A1	A1	A1
LANGUAGE CERTIFICATE:					
English	B2 speech, letter (articles, etc.)	B2	B2	B2	B1
LANGUAGE CERTIFICATE:					
French	LANGUAGE CERTIFICATE:				

Digital skills

MICROSOFT OFFICE (WORD, EXCEL, POWER POINT), STATISTICA 6.0; GRAPHIC EDITORS; OPERATING SYSTEM KNOWLEDGE: WINDOWS ГРАФИЧЕСКИЕ РЕДАКТОРЫ;

Other skills (hobbies)

Mountain travel. piano

ADDITIONAL INFORMATION

- publications in journals with impact factor based on Scopus: 1. Histological Changes in Pancreatic Islets of Animals with Experimental Diabetes Caused by Xanthurenic Acid under condition of Suppression of its Endogenous Synthesis. BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE, "SPRINGER".-2015.-Vol. 159.-N5.-P.680-684.
2. Prevention of Destruction of B-cells of Isolated Pancreatic Islets Caused by 5-nitro-8-oxyquinolin. Transplant International the European Journal of Transplantation. -2017. -Vol. 30. S.1. -P. 541.
3. Reduced form of Glutathione protect B-cells from destruction caused by xanthurenic acid. DIABETES TECHNOLOGY&THERAPEUTICS.-2017.-Vol. 19, s.1, P.127.
4. Cysteine Prevents the Development of Experimental Diabetes Induced by Zinc-Binding Substances Bulletin of Experimental Biology and Medicine. -2020. -Vol. 168. No. 5. -P.621-626.(Scopus, IP0,775)(Medicine,Q3) G G Meyramov, K.-D.Kohnert , A. Zh. Shaybek, D. A.Meyramova, G T. Kartbayeva, G M. Kovalenko and Zh. Zh. Zhumagalieva //Bulletin of Experimental Biology and Medicine, Vol. 168, No. 5, March, 2020 GENERAL PATHOLOGY AND PATHOPHYSIOLOGY // DOI:10.1007/s10517-020-04765-1
5. Gabit G Meyramov Vladimir I. Korchin, Fatima S. Abikenova, Altynay Zh.Shaybek, Gulnaz T.Kartbayeva, Aizhan G.Meyramova, Gulmira O. Zhuzbaeva, Olga L.Kovalenko "Histochemical Investigation of Influence of Diabetogenic Zinc Binding Chemicals In Vitro on Human Pancreatic B-Cells and its Prevention" // "Open Access Macedonian Journal of Medical Sciences" ; 2022, August,10(A):1392-1396 Unfollow journal (LicenseCC BY-NC 4.0) Scientific Foundation SPIROSKI, Skopje, Republic of Macedonia Open Access Macedonian Journal of Medical Sciences. 2022 Feb 05; 10(A):1-5. SCOPUS, Q3, процентиль 0,48 // <https://doi.org/10.3889/oamjms.2022.8197>

- Availability of scientific articles - in COXON journals (according to the list of the Committee for Control in the Field of Education and Science) and refereed journals of the CIS and international conferences. 6. Destruction of capillaries in pancreatic islets as possible cause of aggravation of diabetes. Международная научно-практическая конференция "Актуальные проблемы экологической генетики и экспериментальной биологии", г.Алматы, 25 января 2018 г.; 2018.- С.137-138.

7. Использование гистохимических методов окраски инсулина при работе с культурой изолированных панкреатических островков. Вестник Государственного Университета имени Шакарима города Семей.-2019.-№1(85).-С.285-289.
8. Prevention of developing experimental diabetes by reduced form of glutathione Вестник Карагандинского университета. Серия Химия -2019.-№ 3 (95). -С.21- 28. Meyramov G.G, Kohnert K.-D. Et al.
9. Isolated Pancreatic Islets: Features of Technology of Fixation and Embedding of Islets and of Insulin Staining in B-Cells. Biomedical Journal of Scientific&Technical Research, 2019, Vol.19.(2).- P. 14135-14137.
10. О предотвращении развития экспериментального диабета, вызываемого цинк-связывающими веществами, с помощью цистеина. Бюллетень экспериментальной биологии и медицины. Москва, 2019.- № 11 (168).- С.559-564. (РИНЦ, 0,666) Мейрамов Г.Г., Kohnert K.-D.)

Main publications

11. . On the chemical mechanisms of interaction of diabetogenic toxic substances with zinc in the pancreas and methods for its prevention Серия «Биология. Медицина. География». № 2(98)/2020
12. "О механизме предотвращения восстановленным глутатионом деструкции панкреатических в-клеток, вызываемой диabetогеннымzп-связывающим веществом" «Morphology» (Neuroscience and Behavioral Physiology) is abstracted by Scopus, Russian Index of Scientific Citation (RISC) on the basis of eLIBRARY.RU scientific electronic library журнал «МОРФОЛОГИЯ». -РАН.-Москва.-2020.- Том 157. -№2-3.-С.137-138 (SCOPUS 0,137) eLIBRARY ID: 43134047 <https://www.elibrary.ru/item.asp?id=43134047>
13. Изучение цитотоксического действия аллоксана на изолированные панкреатические островки в условиях предварительного введения никотинамида Korchin V. I., Korchina T. Ya., Meyramov G. G., Shaybek A. Zh. (Khanty-Mansiysk, Russia; Karaganda, Kazakhstan) ISSN 1026-3543 «Morphology» (Neuroscience and Behavioral Physiology) is abstracted by Scopus, Russian Index of Scientific Citation (RISC) on the basis of eLIBRARY.RU scientific electronic library <https://www.elibrary.ru/item.asp?id=43133968>
14. On the mechanisms of damaging effect of diabetogenic chelators on the endothelium of blood capillaries in pancreatic islets. Серия «Биология. Медицина. География». № 2(102)/2021
15. ВЫСОКОСПЕЦИФИЧНЫЙ МЕТОД ОКРАСКИ ГОРМОНА ИНСУЛИНА ДИМЕТИЛНАФТИЛМЕТАНОМ («ВИКТОРИЯ 4»). 2021 №1 (107)
16. О перспективах использования трансплантационного метода лечения сахарного диабета Серия «Биология. Медицина. География». № 1(93)/2019
17. HISTOCHEMICAL AND IMMUNOCYTOCHEMICAL INVESTIGATION OF ENDOCRINE TISSUE OF PANCREAS AFTER DAMAGE CAUSED BY B – CYTOTOXIC CHEMICALS. Астана Медициналық журналы №1 (99) 2019 стр 326_332 IRSTI 76.03.35 // UDC616-018:616:379-008.64
18. Influence of derivatives of oxyquinoline on state of gistostructure as of insulin and zinc content in β-cells of the isolated pancreatic islets UDC 616-018:616:379–008.64:577:112 G.G Meyramov , K.-D. Kohnert , V.I. Korchin , G.O. Zhuzbayeva , A.P. Andreewa , G.T. Kartbayeva , A.S. Shaybek Серия «Биология. Медицина. География». № 4(96)/2019
19. "Histophotometric complex for quantitative estimation of Insulin and Zinc Content in Pancreatic B-cells" //DOI 10.31489/2020BMG4/106-111 UDC 616-018:616:379-008 G.G Meyramov1*, K.-D. Kohnert2 , V.I. Korchin3 G.T. Tusupbekova4 , A.S. Shaybek1 , A.G

20. G.G. Meyramov¹, V.I. Korchin², K.D. Kohnert³, A.Z. Shaybek¹, F.S. Abikenova⁴, A.G. The biological role of zinc in the pancreas, prostate and in submandibular glands and influence of its complex salts with chelators on the state of glands tiss. Серия «Биология. Медицина. География». № 2(106)/2022

21. Мейрамов Г.Г., Конерт К.-Д., Корчин В.И., Абикенова Ф.С., Шайбек А.Ж., Мейрамова А.Г. «Гистохимическое выявление и оценка содержания цинка и инсулина в бета-клетках панкреатических островков животных и в ткани предстательной и слюнных желез» НАО Университет им. Букетова Е.А., г. Караганда Институт Диабета «Герхардт Катч», г. Карлсбург БУ ВО «Ханты-Мансийская государственная медицинская академия», г. Ханты-Мансийск НАО Карагандинский медицинский университет, г. Караганда НАО Университет Болашак, г. Караганда

DOI: 10.36361/1814-8999-2022-23-1-103-107 // Медицинская наука и образование Урала № 1/2022

22. Картбаева Г.Т., Шайбек А.Ж., Баданова А. Е., Дю Понт О.Н. Кружковая работа и ее значение в воспитании учащихся. // Республикалық ғылыми әдістемелік журнал Республиканский научно методический журнал Қыркүйек (Сентябрь №9(9) / 2022 жыл Алматы қаласы

Main publications

Educational and methodical work

1. «Методические рекомендации для докторантов, магистрантов студентов естественно-научного направления по выполнению исследовательских работ» // А.Ж. Шайбек., Г.Г. Мейрамов 2020 год
2. Англо-русско-казахский, русско-казахско-английский, казахско-англо-русский словарь терминов по цитологии, гистологии и биологии индивидуального развития: учеб. пособие / О.Л. Коваленко, Г.Г. Мейрамов, А.Ж. Шайбек. — Караганда: Изд-во Караганд. ун-та им. акад. Е.А. Букетова, 2020. — 104 с. ISBN 978-9965-39-825-4

A total of 177 papers were published in 1973-2020 strictly in their own field of research (see below). Among them are over 50 in journals cited by Thomson Reuters and Scopus (including 24 out of 26 published by Kazakhstanis in the journal DIABETES, USA (the most authoritative in the world ranking), 7 in ACTA DIABETOLOGIA, European Diabetes. the journal, as well as in journals that are among the 10 most authoritative in the world – “DIABETOLOGIA”, “DIABETES RESEARCH AND CLINICAL PRACTICE”, “DIABETES AND METABOLISM”, “DIABETES TECHNOLOGY AND THERAPEUTICS”;

20 – published in journals based on the RSCI and more than 42-in journals recommended by COXON MES RK

In 1980-1995 he worked at the stands of foreign biochemical and medical production associations of Germany as a specialist at International Exhibitions organized by EXPOCENTRE (USSR, Moscow) to provide his own research with free reagents

1. 1979 - "VETERINARY-79", Moscow, Sokolniki
2. 1980 - "SCIENCE-80", Alma-Ata, Sports Palace
3. 1980 - "HEALTHCARE-80", Moscow, Sokolniki
4. 1981 - "MICROBIOPROM-81", Moscow, Sokolniki
5. 1982 – "CARDIOLOGY-82", Moscow, Krasnaya Presnya
6. 1982 – "CHEMISTRY-82", Moscow, Krasnaya Presnya
7. 1983 – "HOSPITALMED-83", Moscow, Krasnaya Presnya
8. 1984 – "HOSPITAL-84", Moscow, Krasnaya Presnya
9. 1984 – "BIOCHEMISTRY-84", Moscow, Krasnaya Presnya
10. 1985 - "HEALTHCARE-85", Moscow, Krasnaya Presnya
11. 1986- "OPTICS-86", Moscow, Krasnaya Presnya
12. 1987 - "CHEMISTRY-87", Moscow, Krasnaya Presnya
13. 1988 - "BIOCHEMISTRY-88", Moscow, Krasnaya Presnya
14. 1988 - "HEALTHCARE-88", Moscow, Krasnaya Presnya
15. 1989 - "BIOREACTOR-89", Moscow, Krasnaya Presnya
16. 1989 - "HOSPITAL-89", Alma-Ata, Atakent
17. 1990 - "HEALTHCARE-90", Moscow, Krasnaya Presnya
18. 1995 - "HEALTHCARE-95", Alma-Ata, Atakent

Main publications Конгрессы

Main publications

PARTICIPATION of reports by G.G. Meiramov

IN THE WORK OF INTERNATIONAL SCIENTIFIC CONGRESSES IN

1988-2020 1. World-level congresses

1. 1988 - The 13th World Congress of Diabetologists (Sydney, Australia), departure
2. 1991 - The 14th World Congress of Diabetologists (Washington, USA), departure
3. 1994 - 15th World Congress of Diabetologists (Kobe, Japan)
4. 1997 - The 16th World Congress of Diabetologists (Helsinki, Finland), departure
5. 2000 - 17th World Congress of Diabetologists (Mexico City, Mexico)
6. 2003 - The 18th World Congress of Diabetologists (Paris, France)
7. 2009 - 20th World Congress of Diabetologists (Montreal, Canada)
8. 2011 - The 21st World Congress of Diabetologists (Dubai, UAE), departure
9. 2013 - 22nd World Congress of Diabetologists (Melbourne, Australia)
10. 1989 - 4th World Congress of Pharmacologists (Heidelberg, Germany), departure
11. 1992 - 4th World Congress of Endocrinologists (Nice, France)
12. 1992 - 5th World Congress of Pharmacologists (Yokohama, Japan), departure
13. 1992 - Sydney University Conference (Sydney, Australia), departure
14. 1994 - 6th World Congress of Pharmacologists (Montreal, Canada)
15. 1995 - 5th World Transplantation Congress on Diabetes (Miami, USA)
16. 1998 - 6th World Transplantation Congress on Diabetes (Cambridge, England)
17. 1999 - 7th World Congress on Transplantation in the Treatment of Diabetes (Sydney, Australia)
18. 1996 - 1st World Congress on Diabetes Prevention (Copenhagen, Denmark)
19. 1999 - 2nd World Congress on Diabetes Prevention (Rome, Italy)
20. 2012 - 7th World Congress on Diabetes Prevention (Madrid, Spain)
21. 1989 - 25th European Congress of Diabetologists (Lisbon, Portugal), departure
22. 1990 - 26th European Congress of Diabetologists (Copenhagen, Denmark), departure
23. 1994 - 30th European Congress of Diabetologists (Dusseldorf, Germany), departure
24. 1998 - 34th European Congress of Diabetologists (Barcelona, Spain), departure
25. 1991 - 51st American Congress of Diabetologists (New York, USA), departure
26. 2000 - 60th American Congress of Diabetologists (San Antonio, USA), departure
27. 2002 - 62nd American Congress of Diabetologists (San Francisco, USA)
28. 2003 - 63rd American Congress of Diabetologists (New Orleans, USA)
29. 2004 - 64th American Congress of Diabetologists (Orlando, USA)
30. 2005 - 65th American Congress of Diabetologists (San Diego, USA)
31. 2006 - 66th American Congress of Diabetologists (Washington, USA)
32. 2008 - 68th American Congress of Diabetologists (San Francisco, USA)
33. 2009 - 69th American Congress of Diabetologists (Orlando, USA)
34. 2010 - 70th American Congress of Diabetologists (Orlando, USA USA)
35. 2011 - 71st American Congress of Diabetologists (San Diego, USA)
36. 2012 - 72nd American Congress of Diabetologists (Philadelphia, USA)
37. 2013 - 73rd American Congress of Diabetologists (Chicago, USA)
38. 2014 - 74th American Congress of Diabetologists (San Francisco, USA)
39. 2015 - 75th American Congress of Diabetologists (San Francisco, USA)

Main publications Конгрессы

Participation in the
implementation of scientific
projects

2. European level Congresses:

1. 1990 - European Congress on B-Cell Transplantation (Innsbruck, Austria), departure
2. 1991 - European Congress on B-Cell Transplantation (Amsterdam, Holland), departure
3. 1992 - European Congress on B-Cell Transplantation (Innsbruck, Austria), departure
4. 1994 - European Congress on B-Cell Transplantation (Innsbruck, Austria), departure
5. 1992 - Conference of diabetologists at the Diabetes Institute (Karlsburg, Germany), departure
6. 1994 - Conference of diabetologists at the Diabetes Institute (Karlsburg, Germany), departure
5. 1999 - International Conference of Diabetologists (Stockholm, Sweden)
6. 2000 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
7. 2001 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
8. 2003 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
9. 2004 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
10. 2005 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
11. 2005 - International Conference "Diabetes and Atherosclerosis" (New York, USA)
12. 2006 - European Congress on B-Cell Transplantation (Pisa, Italy)
13. 2006 - European Symposium "Diabetes and Atherosclerosis" (Milan, Houston, Italy, USA)
14. 2007 - European Congress on B-Cell Transplantation (Montpellier, France)
15. 2008 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
16. 2008 - European Congress on Lipids and Diabetes (Venice, Italy)
17. 2009 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
18. 2009 - Asian Congress on Cell Transplantation (Okayama, Japan)
19. 2010 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
20. 2010 - European Congress on Visual Complications in Diabetes (Paris, France)
22. 2011 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
23. 2012 - World Congress on Diabetes Prevention (Madrid, Spain)
23. 2013 - European Congress on B-Cell Transplantation (Innsbruck, Austria)
24. 2014 - European Congress on the Epidemiology of Diabetes (Sardinia, Italy)
25. 2014 - European Congress on Visual Impairment in Diabetes (Padua, Italy)
26. 2014 - European Congress on Nutrition for Diabetes (Reykjavik, Iceland)
27. 2014 - European Congress on B-Cell Pathology (Lausanne, Switzerland)
28. 2015 – International Congress on Diabetes Treatment Technologies (Paris, France)
29. 2015 – European Transplant Congress (Brussels, Belgium)
30. 2017 - European Transplant Congress (Barcelona, Spain).
31. 2015 - International Congress on Diabetes Treatment Technologies (Copenhagen, Denmark)
32. 2017 - International Congress on Diabetes Treatment Technologies (Paris, France)
33. 2018 - International Congress on Diabetes Treatment Technologies (Vienna, Austria)
34. 2019 - International Congress on Diabetes Treatment Technologies (Berlin, Germany)
35. 2020 - International Congress on Diabetes Treatment Technologies (Madrid, Spain)
36. 2020 - 15th Congress of the International Association of Morphologists (Khanty-Mansiysk)

3 Congresses and conferences in the USSR

1. 1987 - Congress of Endocrinologists of Ukraine (Lviv, Ukraine), departure
2. 1989 - Congress of Endocrinologists of the USSR (Tashkent, Uzbekistan), departure
3. 1996 - Congress of Endocrinologists of Uzbekistan (Tashkent, Uzbekistan), departure

4. Memorable performances

1. Speech at the Consulate General of the USSR in Sydney to the Mission staff following the results of the 13th The World Congress of Diabetologists as the only speaker from the USSR (Sydney, 11/28/1988)

Participation in the implementation of scientific projects

"Diabetogenic zinc-binding B-cytotoxic chemicals: mechanisms of action and methods for preventing the development of diabetes caused by them" (1964-2021); the project was supported by grants from the Institute of Diabetes, Germany, Greifswald University (Germany), the Bonn Academy of Exchange Programs, a grant from the Vice-President of the International Diabetes Federation, as well as grants issued for reports on this project at European Diabetes Congresses (Lisbon, 1989; Copenhagen, 1990; Amsterdam, 1991, Barcelona,1998; Innsbruck,1990,1992,1994), at World Diabetes Congresses (Sydney,1988; Washington,1991; Kobe,1994;Helsinki,1997), at the World Pharmacology Congress (Heidelberg,1989).

1991 studies on the subject conducted with the participation of the Institute of Diabetes "Gerhardt Catch" (Germany), in accordance with the Agreement on scientific and technical cooperation, signed between Meyramov G.G. and the Institute represented by Prof. Konert K.-D., a Director on Science and Development. The agreement was updated in 2012.

Membership in professional scientific organizations

- Special Invitation member of the American Diabetes Association (ADA) (1999-2005)
- Member of the European Association for the Study of Diabetes (EASD, Dusseldorf, Germany) (1992)
- Member of the International Diabetes Federation (IDF, Bruxelles, Belgium), (1989-1991)

Awards and titles

Order "Badge of Honor" (USSR, 1986) based on the results of research activities; "Honored Worker of KarGU" (2015); "Person of the Year 2000, 2011 KarGU", the Best university Teacher (2008) of the Ministry of Education and Science of Kazakhstan; In the General Ranking of university Teaching Staff conducted at the AP in 2016, he took the 7th place among the 50 best university professors in Kazakhstan.

Courses

1. Histology, cytology, embryology
2. Cytology 3. Cell Biology 4. Biology of individual development
In these subjects, he prepared 8 approved sets of lectures (Russian, English) and 5 presentations

Professional and scientific interests

- scientific topic "Diabetogenic zinc-binding B-cytotoxic compounds: mechanisms of action and methods for preventing the development of diabetes caused by them" (1964-2021)

SCIENTIFIC DATABASES IDENTIFIERS

Author ID Scopus 6603314870
ID Web of Science <https://app.webofknowledge.com/author/record/9913946>
ORCID - <https://orcid.org/0000-0003-3281-9152>