

# Curriculum Vitae

## Peymaneh Shirinbayan, PhD

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Pediatric Neurorehabilitation Research Center

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### Personal Information

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**Name:** Peymaneh Shirinbayan, PhD

**Position:** Assistant Professor of Health and Social Welfare, Pediatric Neurorehabilitation Research Center

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### Educational Background

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- **2015–2020** Welfare and Rehabilitation University (USWR), Tehran, Iran  
*PhD in Health and Social Welfare* (degree conferred: 19.94/20)  
Thesis Topic: Designing and testing a model of familial and social factors contributing to mental health of adolescents.
- **2000–2002** Azad University, Tehran, Iran  
*Master Art in Psychometry* (degree conferred: 19/20)  
Thesis Topic: Assessment of the “Zung Depression Rating Scale” among the elderly population in Tehran.
- **1995–1999** Welfare and Rehabilitation University (USWR), Tehran, Iran  
*B.Sc. in Social Work* (degree conferred: 20/20)  
Thesis Topic: A descriptive study of the problems among the female employees and solutions for improving their current situation at the University of Social Welfare and Rehabilitation in Tehran.

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- Google Scholar: 16      Total Citations: 900+ (Google Scholar)

### Awards

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- EZAMA Bronze Award in recognition of distinguished contribution in the field of Addiction Medicine. (Tehran, 2013)

### Professional Experiences

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#### Teaching Experience

- **2002–2004:** Teacher at USWR and Iran University, Tehran, Iran  
*Courses:* Statistical and Research Methods, Life Skills.

## Research Experience

- **2015–2020:** Designing and testing a model of familial and social factors contributing to mental health of adolescents.
- **2007–2009:** Assessment of reliability and validity of CERQ (Cognitive Emotion Regulation Questionnaire) in older adults.
- **2006–2010:** Assessment of reliability and validity of treatment prognosis among addict populations in Iran.
- **2006–2007:** Evaluation of the MMSE (Mini Mental Status Examination) test among the elderly in Tehran.
- **2006–2007:** Assessment of the work situation among the disabled population.
- **2006–2007:** Quality of life in elderly people in Kashan, Iran.
- **2004–2009:** Rapid situation assessment of substance abuse in Iran.
- **2001–2002:** Assessment of the “Zung Depression Rating Scale” among the elderly population in Tehran (MA Thesis).
- **1998–1999:** A descriptive study of the problems among female employees and solutions for improving their situation at USWR (B.Sc. Thesis).

## Consulting

- Advisor for 10 MA theses in Social Work (Welfare and Rehabilitation University, Tehran).

## Membership of Scientific Societies

- Iranian Psychology Society.

## Other Work Experience

- **2024–present:** Assistant Professor at Pediatric Neurorehabilitation Research Center, USWR.
- **2012–2024:** Researcher at Pediatric Neurorehabilitation Research Center, USWR.
- **2000–present:** Psychologist and Consultant at Clinical Psychology Clinics, Tehran.
- **2003–2010:** Psychometrist and Counselor at a Boy’s Primary School, Tehran.
- **2003–2008:** Responsible for the Behavioral Research Unit at the Dariush Institute (substance abuse, drug abuse, and dependency).
- **1999–2002:** Social Worker and Psychologist at the Pouya Rehabilitation Center for the Elderly, Tehran.

## Research Publications

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1. Soleimani F, Hasanati F, Shirinbayan P, Nobakht Z, Rahmani N, Shokoh F, Keshavarz S. Enhancing the Scientific Authority of Children’s Rehabilitation in University of Social Welfare and Rehabilitation Sciences, Tehran, Iran. *Iranian Journal of Culture and Health Promotion*. 2024;8(3):272–275.
2. Soleimani F, Babaiy Z, Vahedi M, Nobakht Z, Shirinbayan P, Ghorbanpour Z, Hassanati F. Determining Item Sequence of Bayley Scale in Persian Language Children. *Archives of Rehabilitation*. 2024;25:682–701.

3. Hassanati F, Nobakht Z, Ghorbanpour Z, Amiri Arimi S, Saatchi M, Shirinbayan P, Soleimani F. The Impact of COVID-19 on Mental Health of Children and Adolescents With Developmental Disabilities: A Scoping Review. *Archives of Rehabilitation*. 2024;25:540–575.

4. Nazmara Z, Shirinbayan P, Reza Asgari H, Ahadi R, Asgari F, Maki CB, et al. The Epigenetic Alterations of Human Sperm Cells Caused by Heroin Use Disorder. *Andrologia*. 2021;53(1):e13799.
5. Shirinbayan P, Mahyar Salavati, Farin Soleimani, Ahmad Saeedi, Roshanak Vameghi. Underlying Pathway of Factors Leading to Mental Health in Iranian Young Adolescents: A Structural Equation Modeling. *J Res Med Sci*. 2020;25:75.
6. Shirinbayan P, Mahyar Salavati, Farin Soleimani, Ahmad Saeedi, Mohammad Asghari-Jafarabadi, Sahel Hemmati-Garakani, Roshanak Vameghi. The Psychometric Properties of the Drug Abuse Screening Test. 2020;12(1):25–33. Link.
7. Shirinbayan P, Mahyar Salavati, Farin Soleimani, Ahmad Saeedi, Mohammad Asghari-Jafarabadi, Sahel Hemmati, Roshanak Vameghi. The Psychometric Properties of the Persian Version of Childhood Experience of Care and Abuse Questionnaire. *GMJ*. 2020;9:e1663.
8. Nazmara Z, Najafi M, Movahedin M, Zandiyeh Z, Shirinbayan P, Asgari HR, et al. Correlation between Protamine-2 and miRNA-122 in Sperm from Heroin-Addicted Men: A Case-Control Study. *Urology Journal*. 2020.
9. Nazmara Z, Shirinbayan P, Reza Asgari H, Ahadi R, Asgari F, Maki CB, et al. The Epigenetic Alterations of Human Sperm Cells Caused by Heroin Use Disorder. *Andrologia*. 2020:e13799.
10. Rezaei-Mojaz S, Nazmara Z, Najafi M, Movahedin M, Zandieh Z, Shirinbayan P, et al. Evaluation of Enkephalin-Degrading Enzymes in Sperm from Heroin-Addicted Men. *Int J Fertil Steril*. 2020;13(4):301–306. Link.
11. Nazmara Z, Najafi M, Rezaei-Mojaz S, Movahedin M, Zandieh Z, Shirinbayan P, et al. The Effect of Heroin Addiction on Human Sperm Parameters, Histone-To-Protamine Transition, and Serum Sexual Hormone Levels. *Urology Journal*. 2019;16(20). Link.
12. Mohammadzadeh E, Amjadi F-S, Movahedin M, Zandieh Z, Nazmara Z, Eslahi N, Shirinbayan P, Asgari HR, Azad N, Salimi M, Koruji M. In Vitro Development of Embryos from Experimentally Kerack-addicted Mice. *Int J Reprod BioMed*. 2017;15(7):413. Link.
13. Rezaei M, Rashedi V, Lotfi G, Shirinbayan P, Foroughan M. Psychometric Properties of the Persian Adaptation of the Mini-Cog Test in Iranian Older Adults. *Int J Aging Hum Dev*. 2017;86(3):266–280. Link.
14. Tajaddini Mahani S, Behnam B, Abbassi M, Asgari H, Nazmara Z, Shirinbayan P, et al. Tsge10 Expression Correlates with Sperm Profiles in the Adult Formalin-Exposed Mice. *Andrologia*. 2016;48(10):1092–1099. Link.
15. Vameghi R, Bakhtiari M, Shirinbayan P, Hatamizadeh N, Biglarian A. Delayed Referral in Children with Speech and Language Disorders for Rehabilitation Services. *Iranian Rehabilitation Journal*. 2015;13(1):16–21. Link.
16. Amini M, Shirinbayan P, Behnam B, Roghani M, Farhoudian A, Joghataei MT, et al. Correlation between Expression of CatSper Family and Sperm Profiles in the Adult Mouse Testis Following Iranian Kerack Abuse. *Andrology*. 2014;2(3):386–393. Link.
17. Assari S, Yarmohamadivasel M, Moghani Lankarani M, Sehat M, Narenjiha H, Rafiey H, Noori R, Shirinbayan P, Ahmadi K. Having Multiple Sexual Partners among Iranian Intravenous Drug Users. *Front Psychiatry*. 2014;5:125. Link.
18. Eslahi N, Hadjighassem MR, Joghataei MT, Mirzapour T, Bakhtiyari M, Shakeri M, Pirhajati V, Shirinbayan P, Koruji M. The Effects of Poly L-lactic Acid Nanofiber Scaffold on

Mouse Spermatogonial Stem Cell Culture. *Int J Nanomedicine*. 2013;8:4563. Link.

19. Shirinbayan P, Rafiey H, Vejdani Roshan A, Narenjiha H, Farhoudian A. Predictors of Retention in Methadone Maintenance Therapy: A Prospective Multi-Center Study. *Sci Res Essays*. 2010;5(21):3231–3236.
20. Rafiey H, Narenjiha H, Shirinbayan P, Noori R, Javadipour M, Roshanpajouh M, Samiei M, Assari S. Needle and Syringe Sharing among Iranian Drug Injectors. *Harm Reduct J*. 2009;6:21. Link.
21. Yadegari F, Foroughan M, Mehri A, Shirinbayan P, Dadkhah A. Naming Performance in Farsi Speaking Aged People: Evidence from Dementia of Alzheimer Type, Aphasic, and Healthy Individuals. *Middle East J Age Aging*. 2008;5(4). Link.
22. Foroughan M, Jafari Z, Shirinbayan P, Ghaem Magham Farahni Z, Rahgozar M. Standardization of Mini-Mental State Examination among Iranian Elderly in Tehran. *Advances in Cognitive Science*. 2008;10(2):29–37. Link.
23. Nejati V, Shirinbayan P, Akbari Kamrani A, Foroughan M, Taheri P, Sheikhsatan M. Quality of Life in Elderly People in Kashan, Iran. *Middle East J Age Aging*. 2008;5(2):21–25. Link.
24. Yadegari F, Amrovani M, Shirinbayan P, Naeemi P. Comparison of Apraxia between Patients with Senile Dementia of Alzheimer Type and Normal Aged People. *J Rehabil*. 2008; (Farsi):34–44. Link.
25. Foroughan M, Jafari Z, Shirinbayan P, Farahani ZG, Rahgozar M. Validation of Abbreviated Mental Test Score and its Correlation with Mini-Mental State Examination in Iranian Elderly. 2008;10,2(38):29–37. Link.

## Books

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1. Rafiey H, Noori R, Sajadi H, Shirinbayan P, Farhadi MH. *Method Research in Addiction*. 2008, USWR, Iran (Farsi).
2. Narenjiha H, Noori R, Shirinbayan P, Akbarluo N, Farhadi MH. *Preventions Addiction in Work Offices*. 2005, Iran (Farsi).
3. Shirinbayan P, Vameghi R, Soleimani F, Asghari J. *Mental Health Model of Iranian Adolescents*. 2022, USWR, Iran (Farsi).

## Presentations

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1. Nazmara Z, Najafi M, Zandiyeh Z, Roshanpajouh M, Movahedin M, Shirinbayan P, Abbasi M, Koruji M. DNA Damage to Sperm Cells and Protamine Deficiency in Active Heroin Users. ASC 2018, Tehran, Iran.
2. Nazmara Z, Mojaz S, Najafi M, Movahedin M, Zandiyeh Z, Asgari H, Shirinbayan P, Roshanpajouh M, Koruji M. Correlation between miRNA-122 in Semen and Fertility in Heroin-Addicted Men. The 4th International Congress on Reproduction (ISERB), 2018, Tehran, Iran.
3. Nazmara Z, Mojaz S, Najafi M, Movahedin M, Zandiyeh Z, Asgari H, Shirinbayan P, Roshanpajouh M, Koruji M. Effect of Heroin Smoking on Small RNA in Human Sperm. 11th Addiction Science Congress, 13–15 Sep 2017, Tehran, Iran.
4. Nazmara Z, Mojaz S, Koruji M, Najafi M, Movahedin M, Zandiyeh Z, Asgari H, Shirinbayan P, Roshanpajouh M. The Effect of Heroin Addiction on Male Fertility. 11th Addiction Science

Congress, 13–15 Sep 2017, Tehran, Iran.

5. Nazmara Z, Mojaz S, Koruji M, Najafi M, Movahedin M, Zandiyeh Z, Asgari H, Shirinbayan P, Roshanpajouh M. Correlation between Illicit Drug Use and Molecular Abnormality in Human Sperm and Male Infertility. 9th International Iranian Congress of Laboratory and Clinic, Feb 21–24, 2017, Imam Khomeini Hospital, Tehran, Iran.
6. Mojaz S, Nazmara Z, Koruji M, Najafi M, Movahedin M, Zandiyeh Z, Asgari H, Shirinbayan P. Heroin Abuse is Associated with Enkephalin-Degrading Enzyme (APN & NEP) Deficiency in Human Sperm and Male Infertility. 9th International Iranian Congress of Laboratory and Clinic, Feb 21–24, 2017, Imam Khomeini Hospital, Tehran, Iran.
7. Nazmara Z, Koruji M, Najafi M, Movahedin M, Roshanpajouh M, Shirinbayan P, Asgari H, Abbasi M. Semen Parameters and Sexual Hormones in Addicted Men following Heroin Abuse. *Int J Fertil Steril*. 2016; Vol. 10, Suppl 1, Summer 2016.
8. Rezaei-Mojaz S, Nazmara Z, Koruji M, Najafi M, Movahedin M, Zandiyeh Z, Asgari HR, Shirinbayan P, Roshanpajouh M. Correlation between Expression of Neutral Endopeptidase (NEP/CD10) and Aminopeptidase N (APN/CD13) in Normal Human Sperm Cells with Body Mass Index. *Int J Fertil Steril*. 2016; Vol. 10, Suppl 1, Summer 2016.
9. Nazmara Z, Koruji M, Najafi M, Movahedin M, Roshanpajouh M, Shirinbayan P, Asgari H, Abbasi M. Correlation between Heroin Abuse and Protamine Gene Expression in Sperm of Addicted Men. 10th International Congress of Addiction Sciences (ASC 2016), Tehran, Iran.
10. Nazmara Z, Koruji M, Najafi M, Movahedin M, Roshanpajouh M, Shirinbayan P, Asgari H, Abbasi M. Illicit Drug Use with Some Molecular Abnormality in Human Sperm and Male Infertility. 4th Congress on Novel & Innovative Laboratory Technologies, 2016, Tehran, Iran.
11. Nazmara Z, Koruji M, Najafi M, Movahedin M, Roshanpajouh M, Shirinbayan P, Asgari H, Abbasi M. Correlation between Heroin Abuse and Protamine Gene Expression in Sperm of Addicted Men. 19th Congress of Iranian Urological Association, 2016, Tehran, Iran.
12. Koruji M, Amini M, Shirinbayan P, Farhoudian A, Dadkhah A. International Society of Addiction Medicine (ISAM) World Congress. Yokohama, Japan, 2014.
13. Shirinbayan P, Rafiey H, Vejdani Roshan A, Narenjiha H, Farhoudian A. Predictors of Retention in Methadone Maintenance Therapy: A Prospective Multi-Center Study. 7th National Congress in Addiction Sciences, 2013, Tehran (Ezamma Awarded).
14. Amini M, Shirinbayan P, Farhoudian A. The Sixth Annual Congress of Addiction Biology. Tehran, Iran, 2013.
15. Amini M, Roghani M, Shirinbayan P, Hadjighassem M, Farhoudian A, Joghataei M, Koruji M. 4th International and 19th National Congress of Iranian Society for Reproductive Medicine, Tehran, Iran, 2013.
16. Amini M, Roughani M, Shirinbayan P, Farhoudian A, Koruji M. 13th Royan International Twin Congress on Reproductive Biomedicine and Stem Cells Biology & Technology. Tehran, Iran, 2012.
17. Amini M, Roughani M, Shirinbayan P, Farhoudian A, Koruji M. 3rd International and 18th National Congress of Iranian Society for Reproductive Medicine, Tabriz, Iran, 2012.
18. Shirinbayan P, Foroughan M, Ghemmaghham Z, Koruji M. Reliability and Validity of the Zung Depression Rating Scale in an Elderly Population. Presented at the 23rd Alzheimer's Disease International Conference: New Perspectives, New Hope, 2007, Caracas, Venezuela.

19. Yadeghari F, Foroughan M, Shirinbayan P, Amrovani M. Assessing Apraxia in Patients with Senile Dementia of Alzheimer's Type: A Comparative Study. Presented at IPA 2007, Osaka, Japan.
20. Foroughan M, Mehri A, Shirinbayan P, Yadegari F. Confrontation Naming Performance of Farsi-Speaking Patients with Alzheimer's Type Dementia, Aphasic Patients and Healthy Elderly Individuals. 23rd Alzheimer's Disease International Conference: New Perspectives, New Hope, 2007, Caracas, Venezuela.
21. Dadkhah A, Shirinbayan FP. Measuring Behavior. 6th International Conference on Methods and Techniques in Behavioral Research, 2008, Maastricht, The Netherlands.
22. Foroughan M, Jafari Z, Ghaemmagham Z, Farhadi H, Shirinbayan P, Rahgozar M. Validation of Abbreviated Mental Test and Its Correlation with Mini-Mental State Examination in Iranian Elderly. Presented in Paris, France, 2009.

## Research Interests

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- Mental Health
- Cognitive Evaluation (Older Adults)
- Assessment of Intelligence and Memory
- Assessment and Treatment of Substance Abuse, Drug Abuse, and Dependency
- Depression and Anxiety
- Emotion Regulation

## References

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- **Prof. Mahyar Salavati, Ph.D.**  
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