

نام و نام خانوادگی: علیرضا سپهری

مدرک تحصیلی: دکتری

رشته تحصیلی: فیزیک ذرات

شغل: محقق

آدرس: نیشابور-فیاض بخش جنوبی ۴-پلاک ۴۸

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سوابق علمی-پژوهشی

- چاپ بیش از چهل مقاله در نشریات معتبر بین‌المللی ای اس ای در زمینه‌های مختلف از کیهان‌شناسی گرفته تا نانو و ابررسانایی و ...
  - همکاری علمی گسترده با دانشمندانی از نقاط مختلف جهان مانند فرانسه-ایتالیا- ژاپن-روسیه-اسلواکی-برزیل-هند-کانادا-آفریقای جنوبی-مصر و آمریکا
  - مشارکت در یکی از بزرگترین پروژه‌های اتحادیه اروپا در ساخت ابررسانا در دمای معمولی
  - دعوت به تحقیقات به دوبرنای روسیه که همه مخارج آن توسط دولت روسیه پرداخت شد.
  - دعوت به آفریقای جنوبی برای تحقیقات علمی
  - دعوت به هندوستان برای تاسیس رشته نظریه ریسمان
  - داور بین‌المللی جامعه ریاضیدانان
  - شناخته شدن نظریه جدید جی بنده به عنوان یکی از مقالات برتر سایت بین‌المللی فیزیک ارکایو
- تمام مدارک و مستندات آن ارائه شده است.

## Publications:

### Paper Publish

1. Alireza Sepehri, "A mathematical model for DNA", *Int. J. Geom. Methods Mod. Phys.*, **14**, 1750152 (2017)

2. Alireza Sepehri, Umesh Kumar Sharma, Anirudh Pradhan. ” **Holographic diode**” **Phys.Lett. A381 (2017) 3536-3541.**
3. M.R.Setare and A.Sepehri ,”**Role of higher dimensional wormhole in the formation of a big rip singularity,**” ,**Phys.Rev. D91 (2015) 6, 063523**
4. Alireza\_Sepehri, Farook\_Rahaman, Salvatore\_Capozziello, Ahmed\_Farag\_Ali, Anirudh\_Pradhan,**Emergence and oscillation of cosmic space by joining M1-branes , Eur.Phys.J. C76 (2016) no.5, 231**
5. Alireza Sepehri ,”**Cosmology from quantum potential in brane-anti-brane system**” **Physics Letters B 748 (2015) 328–335.**
6. Alireza\_Sepehri, Mohammad\_Reza\_Setare, Salvatore\_Capozziello,**Emergence and expansion of cosmic space as due to M0-branes , Eur.Phys.J. C75 (2015) no.12, 618.**
7. Alireza Sepehri, Richard Pincak , “**M-theory, graphene-branes and superconducting wormholes**”, **Int.J.Geom.Meth.Mod.Phys. 14 (2017) no.11, 1750167.**
8. M. R. Setare, A. Sepehri ,”**Stability of thin shell cylindrical wormhole during evolution of universe from inflation to late time acceleration**” , **JHEP 1503 (2015) 079 .**
9. Alireza Sepehri, Richard Pincak , Anirudh Pradhan, A. Beesham “**Emergence of anti-F(R) gravity in type-IV bouncing cosmology as due to M 0 -brane**”, **Grav.Cosmol. 23 (2017) no.3, 219-229.**
10. Alireza Sepehri, Anirudh Pradhan, A. Beesham” **On the origin of generalized uncertainty principle from compactified M5-brane**” **Mod.Phys.Lett. A32 (2017) 1750123.**
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12. Alireza Sepehri, Richard Pincak ,” **Modeling the Electron Transport in Nanostructures by Using the Concept of BIONS in M-theory**”, *Int.-J.-Theor.Phys.* **55** (2016) no.10, 4577-4594.

13. Alireza Sepehri, Richard Pincak ,”**The birth of the universe in a new G-Theory approach**”, *Mod. Phys. Lett. A*, Vol. 32, No. 5 (2017) 1750033.

14. Alireza\_Sepehri, Ahmed\_Farag\_Ali, Kazuharu\_Bamba, Salvatore\_Capozziello, Richard\_Pincak, Anirudh\_Pradhan, Farook\_Rahaman, Emmanuel\_N. Saridakis, *Int. J. Geom. Methods Mod. Phys.* **0**, 1750095 (2017)


15. Alireza\_Sepehri, Richard\_Pincak, Kazuharu\_Bamba, Salvatore\_Capozziello, Emmanuel\_N. Saridakis,” **Current density and conductivity through modified gravity in the graphene with defects**” *Int.J.Mod.Phys. D26* (2017) no.09, **1750094**.

16. Alireza\_Sepehri, Richard\_Pincak, Ahmed\_Farag\_Ali”**Emergence of F(R) gravity-analogue due to defects in graphene**” , *Eur. Phys. J. B* (2016) 89: 250.

17. Alireza\_Sepehri, Anirudh\_Pradhan, A. Beesham, Jaume\_de\_Haro, **Teleparallel loop quantum cosmology in a system of intersecting branes**, *Phys.Lett.B*760:94-100,2016.

18. Alireza Sepehri ,”**Born–Infeld extension of Lovelock brane gravity in the system of M0-branes and its application for the emergence of Pauli exclusion principle in Bionic superconductors** “, *Phys.Lett. A***380** (2016) 2247-2259.

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21. A. Sepehri, Farook Rahaman, Anirudh Pradhan, Iftikar Hossain-Sardar,"-**Emergence and expansion of cosmic space in Bionic system**", , **Physics Letters B** 741 (2015) 92–96
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- 28.A. Sepehri, M.E. Zomorrodian, S. Shoorvazi, M. Hasheminia, **Information loss for QCD matter in Ads black holes at LHC**, **Communications in Theoretical Physics**,60(2013)427-432 .

29. The whipped inflation in Bionic system, (Alireza Sepehri, Anidruh Pradhan, Somayyeh Shoorvazi), **Astrophysics and Space Science**, 357(2015)18.
30. The Information Loss for QCD Matter Due to Interaction Potential Between Branes Near Higher Dimensional Ads Black Holes at LHC , M.Hasheminia, A.Mirjalili, A.Sepehri, M.E. Zomorrodian , **Int.J.Theo.Phys**, 54(2015)9,3374-3386
31. The signature of string ball near surface horizon of cylindrical universe, (A. Sepehri, S. Shoorvazi), **Astrophysics and Space Science**, 344(2013) 79-86
32. The quantum entanglement between colorful dark energies in a colorful multiverse ( Alireza Sepehri, Somayyeh Shoorvazi, Mohammad Ebrahim Zomorrodian), **Canadian Journal of Physics** 91 (2013)256-259.
33. The signature of string ball near mini black holes at LHC ,(A. Sepehri, S. Shoorvazi, S. J. Fatemi, S. Doostmohammadi), **Astrophysics and Space Science**, 344(2013)79-86.
34. Does the HM mechanism work in string theory, (Alireza Sepehri, Somayyeh Shoorvazi, Mohammad Ebrahim Zomorrodian), **Canadian Journal of Physics** 91(2013)75-80.
35. Alireza Sepehri, Somayyeh Shoorvazi, **Chinese Physics Letters**, 30(2):021301.
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