

بسم الله الرحمن الرحيم

السيرة الذاتية: أ.د. ناصر بن صالح الزايد

العمل الحالي: قسم الفيزياء والفلك – جامعة الملك سعود – الرياض

المسمى الوظيفي: أستاذ

الكلية: كلية العلوم

التخصص العام: فيزياء

التخصص الدقيق: مواد فائقة التوصيل

النشاط البحثي الحالي:

العمل في مجال الموصلات فائقة التوصيل، وتقنيات النانو، وأيضاً خواص البوليمرات وكذلك اهتمام بأثر المجالات المغناطيسية على الكائنات الحية. البطاريات، والمكثفات الفائقة

### التاريخ العلمي:

| Degree | Year    | Name of Institution  | Major Field | Specific Field  | Country   |
|--------|---------|----------------------|-------------|-----------------|-----------|
| Ph.D.  | 1990-94 | University of Kansas | Physics     | Superconductots | USA       |
| M.Sc.  | 1986-89 | Ohio University      | Physics     | Nuclear Phys.   | USA       |
| B.Sc.  | 1980-84 | King Saud University | Physics     |                 | Saudi Ar. |

| الدرجة العلمية | السنة     | الجامعة      | التخصص العام | التخصص الدقيق    | الدولة   |
|----------------|-----------|--------------|--------------|------------------|----------|
| دكتوراه        | 1411-1415 | جامعة كانساس | فيزياء       | الموصلات الفائقة | أمريكا   |
| ماجستير        | 1406-1410 | جامعة أوهايو | فيزياء       | فيزياء نووية     | أمريكا   |
| بكالوريوس      | 1400-1404 | ج الملك سعود | فيزياء       |                  | السعودية |

علما بأني حصلت على الدكتوراه بتقدير امتياز مع مرتبة الشرف

تأليف كتب:

1- الإنترنت من خلال البريد الإلكتروني، ناصر بن صالح الزايد، دار الخريجي للنشر والتوزيع، 1417 هـ

### عضوية اللجان والجمعيات العلمية:

- 1- رئيس اللجنة الثقافية في قسم الفيزياء منذ 1418 هـ وحتى نهاية 1425 هـ
- 2- رئيس لجنة مراجعة مقرر 206 عال 1421 هـ (مقرر حاسب آلي على طلاب الكلية)
- 3- رئيس لجنة التوائم بين تخصص الفيزياء وسوق العمل، 1418 هـ حتى 1422 هـ
- 4- عضو في لجنة المناهج 1420 حتى 1426 هـ
- 5- عضو في لجنة رعاية المعيد 1418 هـ حتى 1427 هـ
- 6- أمين لجنة الحاسب الآلي في كلية العلوم 1421 هـ حتى 1429 هـ
- 7- مشرف معامل الحاسب الآلي في كلية العلوم منذ جمادى الأولى 1426 هـ حتى الآن
- 8- عضو اللجنة الإعلامية في المؤتمر الثاني للعلوم لكلية العلوم 1428 هـ
- 9- عضو لجنة الإنترنت في الجامعة 1426 حتى 1429 هـ
- 10- مشرف موقع كلية العلوم 1429 هـ حتى 1433 هـ
- 11- عضو اللجنة الإشرافية على بوابة الجامعة 1429 هـ حتى 1433 هـ
- 12- مقرر لجنة الكليات العلمية لدى بوابة الجامعة الإلكترونية 1429 هـ حتى 1433 هـ
- 13- رئيس لجنة الدكتوراه في قسم الفيزياء 1432 حتى 1437 هـ
- 14- عضو لجنة الدكتوراه في قسم الفيزياء 1437 حتى الآن
- 15- رئيس لجنة التوظيف في قسم الفيزياء 1435 حتى الآن وكنت عضوا فيها قبل ذلك
- 16- رئيس مشروع التعليم المبني على الطالب المدعوم من وزارة التعليم العالي حتى إغلاق المشروعاً

عنوان رسالة الدكتوراه:

Ph.D Theses: ***Magnetic Properties of  $Tl_2Ba_2Ca_2Cu_3O_{10-D}$  Cylindrical Shields and the effect of thermal cycling and silver addition on their quality.*** 1994

Publications:

1. *Thermal cycling effect on thallium 2223 high- $T_C$  superconducting cylindrical shield*, Naser S. Alzayed, Y. Xin, W. S. He, C. X. Fan, K. W. Wong, Physica C 235-240 (1994). p 3463-3464
2. *Magnetic shields made of high  $T_C$  superconducting ceramic  $Tl_2Ba_2Ca_2Cu_3O_{10}$* , S. He, Y. Xin, Naser S. Alzayed, B. R. Xu, C. X. Fan, K. W. Wong, Physica C 235-240 (1994). p 3459-3460
3. *Nondestructive testing of cracks in solid aluminum with a high temperature rf-SQUID*, D. F. Lu, Chang-xin Fan, Naser S. Alzayed, K. W. Wong, S. G. Han, J. Z. Ruan, Y. Xin, Bingruo Xu, Marvin Chester, David E. Knapp, Physica C 235-240 (1994). p 3361-3362.
4. *High temperature RF SQUID gradiometer applied to non-destructive testing*, X. Fan, D. F. Lu, K. W. Wong, Y. Xin, B. Xu, N. S. Alzayed, M. Chester, D. E. Knapp, Cryogenics 34 N 8 (1994). p 667-670.
5. *Deep nondestructive testing using a bulk high  $T_C$  rf-SQUID*, Naser S. Alzayed, Chang-xin Fan, D. F. Lu, K. W. Wong, Marvin Chester, David E. Knapp, IEEE Transactions on Applied Superconductivity V 4 N 2 (1994). p 81-86.
6. *Thallium 2223 high  $T_C$  superconductor in a silver matrix and its magnetic shielding, thermal cycle and time aging properties*, Fei, X.; He, W.S.; Havenhill, A.; Ying, Z.Q.; Xin, Y.; Alzayed, N.; Wong, K.K.; Guo, Y.; Reichle, D.; Lucas, M.S.P. Proceedings of the Fourth International Conference and Exhibition: World Congress on Superconductivity (NASA Conf. Publ. 3290) 52-743 Vol 2 , World Congress on Superconductivity Houston, TX, USA , 778 (1995).
7.  *$Tl_2Ba_2Ca_2Cu_3O_{10}$  and Au-Added  $Tl_2Ba_2Ca_2Cu_3O_{10}$  Thin Films*, K. W. Wong, Y. Xin, B. R. Xu, D. F. Lu, X. Fei, W. S. He, G. F. Sun, N. Alzayed, C. X. Fan, I. N. Chan, K. Y. Chen, G. J. Salamo, Y. J. Shi, F. T. Chan, W. Y. Ching, Laser in Eng. V 2 (1994). P 319-324.
8. *Magnetic Attenuation by HTC Superconducting Cylinders*, Naser S. Alzayed, K. W. Wong, C. X. Fan, Y. Xin, D. F. Lu, D. E. Knapp, Chinese Journal of Physics, 34 Iss: 2, pt.2 p. 698-701 (1996).
9. *Investigation of the Evolutional Processes of HTCS RF-SQUID Made from  $Tl_2223$  and Operated at 77 K*, N. S. Alzayed, J. King Saud University, Vol. 17, Science (1), pp 17-30 (2004).

10. *Design of ac susceptometer using closed cycle helium cryostat*, Mohammed. Shahabuddin and Nasser Saleh Alzayed , , Phys. Stat. Sol., C 3, 3002 (2006) p. 3002-3006
11. *Low cost ac susceptometer using closed cycle helium cryostat* , Ismail A. Alfaleh, Mohammed. Shahabuddin and Nasser S. Alzayed, submitted.
12. *Effect of Nano-NiO Doping on the Magnetic Susceptibility and Flux Pinning in MgB2 Superconductor*, Nasser S. Alzayed, Submitted
13. R. Gharbi, M. Fathallah, N. Alzaied, E. Tresso, A. Tagliaferro, *Hydrogen and nitrogen effects on optical and structural properties of amorphous carbon*, Materials Science and Engineering, The Netherlands, Vol. C 28, 2008, pp 795-798.
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### إشراف على طلبية دراسات عليا:

1. 3 طلبية دكتوراه
2. 5 طلبية ماجستير

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